

## ПРИЛОЖЕНИЕ 5

### ЧАСТОТНЫЕ СЛОВАРИ НАУЧНОЙ ЭКОНОМИЧЕСКОЙ ЛЕКСИКИ НА ОСНОВЕ ECONLIT

**1. Методика построения корпуса слов и его статистической обработки.** Методика состояла из следующих этапов.

1. Из трёх компакт-дисков с записями Econlit за период 1992—2006 гг. были отобраны два компакт-диска, которые включали записи с 1992 по 2004 гг. (EconLit-AEA, 1992-2004/06) и с 2002 по первое полугодие 2006 г. (EconLit-AEA, 2002-2006/06). Следует отметить, что более поздние диски Econlit могли содержать дополнения для более ранних периодов, выходящих за начальную дату. В частности, на компакт-диске «2002— 06/2006» содержались отдельные записи для 2001 и других предшествующих лет. Поэтому, чтобы исключить дублирования записей, с первого диска были выбраны записи с 1992 по 2001 год, а со второго — с 2002 года по первое полугодие 2006 г. Заметим, что компакт-диск «2002— 06/2006» являлся последним компакт-диском, который члены АЕА могли приобрести для индивидуального использования. С 2006 года члены АЕА получили возможность доступа к Econlit в онлайн-режиме без дополнительной платы. Однако данный режим резко ограничил возможности получения обобщающей информации о публикациях, поскольку максимальный размер кластера составляет 500 работ. Помимо этого, записи выдаются на экран порциями по 20 единиц, которые требуют ряда дополнительных операций по их копированию в буфер обмена и сохранению на жёстком диске. Записи сохраняются в целом и для извлечения полей с текстом (заглавия, рефераты статей, книжные рецензии) требуется дополнительно вырезать эти поля при помощи редакторов текстов и сохранять в отдельном файле. Введенный с 2006 г. режим онлайн и невозможность приобретения по приемлемым ценам EconLit на компакт-дисках крайне ограничили возможность проведения комплексного анализа по всем записям Econlit и пока не позволили нам построить полный словарь с учетом данных за 2006—2010 гг.

2. При помощи программы WinSpirs 5.0, которая предназначена для работы с компакт-дисками EconLit, для каждого года выбрали поля TI, AB и BR, которые сохранялись на жестком диске в формате 92.txt, 93.txt, и т.д. Всего 15 файлов.

3. С помощью программы MS Word каждый из 15 файлов просматривался в режиме замены символов с тем, чтобы заменить пробелами знаки цифр, знаки препинания и служебные знаки, а также знаки переноса строк. Затем оставлялось только по одному пробелу для разделения слов, и в начале файла проставлялся идентификатор года **ру** с соответствующим номером года.

4. С помощью команды копирования в MS DOC все 15 файлов с записями для отдельных лет были объединены в один файл Scr.txt.

5. Файл Scr.txt был обработан при помощи программы FrequencyDictionary.exe (разработчик — сотрудник НГУ А.С. Шевцов). В результате был получен файл RC.txt, в котором по строке идут имя словоформы, и после точки с запятой — их число. Для контроля правильности подсчёта проводился аналогичный подсчет числа словоупотреблений для выборки словоформ при помощи MS Word при помощи команды «Найти».

6. Файл RC.txt просматривался на экране компьютера при помощи программы MS Word с целью дополнительной чистки текста от ненужных знаков и удаления неанглийских слов. При этом обоснованность отнесения словоформ к английскому языку проверялась при помощи программы Lingvo 12. Поскольку в данном пакете были не все экономические термины, найденные в EconLit, то также использовались бумажные варианты толковых экономических словарей типа словаря Б.Г. Федорова<sup>1</sup> и словаря под редакцией А.В. Аникина<sup>2</sup>. Также проводилось уточнение при помощи обращения к записям EconLit и электронным энциклопедиям в Интернете. Например, в результате обработки записей в EconLit было найдено, что аббревиатура **tncs** встретилась 201 раз. В Lingvo 12 находим, что

<sup>1</sup> Англо-русский толковый словарь валютно-кредитных терминов / Федоров Б.Г. М.: Финансы и статистика, 1992.

<sup>2</sup> Англо-русский экономический словарь. Около 60000 терминов / Под ред. А.В. Аникина. М.: «Русский язык», 1977.

она происходит от TNC — threaded normalized connector — стандартный резьбовой соединитель. Но на самом деле TNCs — это Transnational Corporations (транснациональные корпорации). Или **rjvs**. В Lingvo 12 подобного сокращения нет вообще. При помощи EconLit, подкрепленным поиском в Интернете, находим, что это обозначает Research Joint Ventures (RJVs), или «Исследовательские совместные венчуры». Это один из видов организаций, который возник в конце XX в. для ускорения инновационной деятельности. Следует подчеркнуть, что задача сопровождения английских словоформ их переводом на русский язык не ставилась, поскольку включение программы Lingvo 12 одновременно с MS Excel позволяет получить перевод слова на экране при наведении на него курсора. Разбор семантических вариантов каждого англоязычного экономического термина представляет собой большую самостоятельную задачу в силу многозначности терминологии, поэтому в дипломе детально он не рассматривается.

7. Поскольку файл RC.txt содержал больше строк, чем могла обработать программа MS Excel, то он был разбит на несколько файлов. Каждый из этих файлов загружался в программу MS Excel. В качестве разделителя использовалась точка с запятой. В результате на листе MS Excel было два столбца: столбец словоформ и столбец ЧС — соответствующих абсолютных частот, или число словоупотреблений. Потом проводилась сортировка словоформ по уменьшению ЧС.

8. На основе визуального анализа информации были отобраны все словоформы с ЧС  $\geq 100000$ . Они были записаны в виде одного столбца в текстовый файл 100000=.txt. Этот файл совместно с файлом Scr.txt обрабатывался программой EconLitProject.exe (разработчик А.С. Шевцов). В результате формировался файл MS Excel, в котором в первом столбце Word перечислялись все словоформы из файла 100000=.txt, в столбце All указывалось общее ЧС для данных словоформ в файле Scr.txt. Затем идет 15 столбцов с ЧС для каждого года для периода 1992—2006. Потом средствами MS Excel для каждой строки исчислялись:  $S1$  — ЧС за 1992—1998 гг.,  $S2$  — ЧС за 1992—1998 гг.,  $DS = S2 - S1$ ,  $T = S2/S1$  (темп роста ЧС).

9. Операция, аналогичная указанной в пункте 8, проводилась последовательно для всех словоформ с общим числом словоупотреблений до 6 включительно.

При построении корпуса слов специально анализировалась возможность отсека «хвоста» с частотами менее 6 словоупотреблений. Так, с ЧС = 6 оказалось 490 словоформ, что в сумме дает 2940 словоупотреблений. Если отнести это число к 32572895 (общее число словоупотреблений), то получится 0,0000922 или 0,00922% (около 0,01%). Добавление примерно 600 словоформ (полная очистка массива не проводилась) с ЧС = 5 — это еще 3000 и прирост общего числа словоупотреблений только на 0,01%. Остается еще в «хвосте»: 1200 словоформ с ЧС = 4; 2000 — с ЧС = 3; 5000 — с ЧС = 2; 20000 — с ЧС = 1. Итого 10,8 тыс. словоформ с ЧС от одного до 5, что увеличивает суммарное число словоупотреблений на 43,8 тыс. Но это всего 0,13% от общего числа словоупотреблений. Прирост точности незначительный, но для подготовки к обработке 10,8 тыс. словоформ потребовалось бы почти две трети времени, необходимого для подготовки 15,1 тыс. словоформ, которые дали 32,6 млн словоупотреблений. Поэтому автор диплома посчитал, что уже созданный корпус слов из 15129 словоформ имеет избыточный запас точности относительно учета малых частот.

10. Полученные итоговые файлы были объединены в один, в котором словоформы могли быть отсортированы по алфавиту, а также по любому показателю, указанному в столбце (по числу словоупотреблений в целом и по каждому году отдельности, по DS, по темпам роста T, и т.п.). В этом файле в итоговой строке определялись суммы по столбцам.

11. Был проведен визуальный просмотр всех словоформ, и они были распределены на следующие пять групп:

- 1) ядро служебных и «строевых» слов (далее ЯССС);
- 2) список фамилий известных экономистов и фирм (имена были исключены) («Персоналии»);
- 3) список значимых сокращения («Сокращения»);
- 4) «География» — список наиболее часто встречающихся географических названий и наименований национальностей (например, во всех падежах Turkey, turkey's, turkish) (включая общепринятые сокращения типа USA, USSR);
- 5) остальные словоформы, которые были отнесены в группу «Термины».

Характеристика этих групп и корпуса слов в целом представлена в табл. П5.1.

Таблица П5.1. **Обобщающая характеристика корпуса слов на основе EconLit**

№	Группа	NW*	ЧС	DS,%*	DS <sub>min</sub>	DS <sub>max</sub>	T	ЧС/NW
1	Персоналии	321	80094	0,25	0,18	0,34	1,40	250
2	Сокращения	244	106781	0,33	0,21	0,39	2,56	1023
3	География	517	528639	1,62	1,03	1,97	1,69	438
4	ЯССС	43	12746517	39,13	38,48	39,25	1,99	296431
5	Термины	15086	19110864	58,67	58,46	59,32	1,98	1267
6	Итого	15129	32572895	100	98,37	101,28	1,98	2153

\*NW — число словоформ; ЧС — число словоупотреблений в целом по соответствующей группе словоформ за 1992—начало 2006 гг.; D — доля группы в процентах к ЧС по строке 6; D<sub>min</sub>, D<sub>max</sub> — показатели, аналогичные DS, но исчисленные исходя из минимальных и максимальных значений ЧС за период 1992—2005 гг., соответственно; T — темп роста числа словоупотреблений по группе (1999—первое полугодие 2006 гг. по отношению к 1992—1998 гг.).

12. Для каждого листа MS Excel со списком словоформ, значений ЧС и показателей S1, S2, DS, T, был создан еще один лист, в котором в каждом столбце приводятся значения ХС — значения ЧС в расчете на 1 млн словоупотреблений. Подобная практика принята в Corpus of American English и ряде других электронных частотных словарях. При расчете были использованы разные варианты: исходя из общего числа словоупотреблений по данной группе (например, «Термины»), исходя из числа словоупотреблений по группам «ЯССС» и «Термины», исходя из числа словоупотреблений по всем группам. Также использовались вспомогательные расчеты для определения процента покрытия текста терминами нарастающим итогом, построения графиков, определения максимальных и минимальных значений по годам, разности между ними, и отнесения этого «размаха» к среднему значению.

**2. Особенности методики частотного анализа словосочетаний.** Для этого анализа также использовалась программа EconLitProject.exe. Кроме файла Scr.txt с текстами из EconLit подавался текстовый файл-шаблон, в котором по строкам перечислялись анализируемые словосочетания. Например, при изучении кризисов был создан файл Crisis.txt, в котором по строкам шли словосочетания “financial crisis”, “economic crisis” и т.д. Вместо файла Scr.txt мог использоваться и другой файл, содержащий тексты, которые было решено подвергнуть частотному анализу на предмет кризисной или другой лексики.

В марте 2009 г. на сайте [www.econlit.org](http://www.econlit.org) был опубликован путеводитель по предметной классификации, в котором были приведены ключевые слова для многих предметных микрообластей. Это дало возможность **впервые** построить вариант частотного словаря на основе EconLit для ключевых слов (отдельных слов и словосочетаний) для каждой предметной макрообласти как для отдельных лет с 1992 по 2005 гг., так и в целом для анализируемого периода. Таким образом получилось еще 19 частотных словарей для ключевых слов 19 предметных макрообластей EconLit (см. табл. П5.2), общим объемом 4358 слов и словосочетаний.

**3. Ядро служебных и «строевых» слов.** Как видим из табл. П5.1, наибольший прирост словоупотреблений будет достигнут при усвоении 43 слов, входящих в группу «ЯССС» (далее первое число в круглых скобках — ЧС, второе — T — темп роста):

the (2670217; 1,91); of (1743174; 1,87); and (1341479; 1,84); in (992936; 1,96); to (758252; 2,17); a (699721; 1,97); is (413026; 1,98); that (401869; 2,27); for (380210; 1,99); on (321402; 1,99); this (269862; 2,20); are (251150; 2,02); with (245762; 2,08); by (193811; 2,10); as (185964; 2,17); an (180871; 1,83); we (158814; 3,80); from (157377; 2,13); be (133192; 2,06); it (111040; 2,12); which (101198; 1,87); have (94565; 2,27); at (94000; 1,79); not (89056; 2,14); or (82747; 2,12); their (78098; 2,25); these (77757; 2,28); has (77497; 2,39); but (53993; 2,23); its (52588; 2,03); such (43013; 2,27); they (42811; 1,99); been (42649; 2,22); there (39286; 2,24); was (38590; 2,22); were (30274; 2,25); I (я) (29873; 2,73); no (28488; 1,73); those (24365; 2,20); had (11544; 2,25); having (3852; 2,39); isn't (121; 2,67); wasn't (23; 1,56).

Таблица П5.2. **Дескрипторы и наименования макроразделов в EconLit и число проанализированных ключевых слов и словосочетаний в макроразделе (ЧКС)**

DE	Наименование, англ.	Наименование, рус.	ЧКС
A	General Economics and Teaching	Экономикс в целом и обучение	40
B	Schools of Economic Thought and Methodology	Школы экономической мысли и методология	101
C	Mathematical and Quantitative Methods	Математические и количественные методы	237
D	Microeconomics	Микроэкономика	556
E	Macroeconomics and Monetary Economics	Макроэкономика и монетарная экономика	344
F	International Economics	Международная экономика	315
G	Financial Economics	Финансовая экономика	218
H	Public Economics	Экономика общественного сектора	219
I	Health, Education, and Welfare	Здоровье, образование и благосостояние	129
J	Labor and Demographic Economics	Экономика труда и демография	435
K	Law and Economics	Право и экономика	134
L	Industrial Organization	Индустриальная организация	529
M	Business Administration and Business Economics; Marketing; Accounting	Деловое администрирование и экономика бизнеса; маркетинг; учет	120
N	Economic History	Экономическая история	97
O	Economic Development, Technological Change, and Growth	Экономическое развитие, технологические изменения и рост	302
P	Economic Systems	экономические системы	136
Q	Agricultural and Natural Resource Economics; Environmental and Ecological Economics	Экономика сельского хозяйства и природных ресурсов; экологическая экономика и экономика окружающей среды	274
R	Urban, Rural, and Regional Economics	Экономика города, села и регионов	151
Z	Other Special Topics	Другие специальные темы	21
	<i>Итого</i>		4358

Как и во всех других известных частотных словарях английского языка в приведенной выборке подтверждается первенство артиклей, предлогов и союзов. В частности, на долю **the** у нас пришлось 8,2% от словоупотреблений по всем пяти группам слов.

По мнению философа М. Эпштейна, это имеет важное значение и для осмысления философской картины мира: «*Определенный артикль* вообще самое частое слово в тех языках, где он имеется, а на этих языках создана самая богатая словесность в мире: иврит, греческий, арабский, английский, немецкий, французский, испанский... Даже в тех языках, где артикль отсутствует, его различительную функцию отчасти берут на себя указательные местоимения и частицы, от которых он исторически образовался, – «этот», «тот», «такой», «вот», «вон». Для философии всегда было важно найти такое слово (термин), которое заняло бы центральное место в системе понятий и, определяя все другие, само в наименьшей степени подлежало бы определению («Дао» в даосизме, «идея» у Платона, «материя» у Маркса, «жизнь» у Ницше, «бытие» у Хайдеггера...). Определенный артикль, **the**, и есть искомое философское слово слов, выдвинутое самим языком на первое место среди бесчисленных актов говорения о мире. (Исключение составляет лишь еще более

универсальный знак пробела, который лежит в истоке самого говорения и письма). Мир должен быть понят прежде всего через *артикуль* – всесторонне *артикулирован*»<sup>3</sup>.

Анализ отклонений годовых ХС для приведенных 43 словоформ из группы ЯССС от средних значений показал, что наиболее устойчивым является артикуль **a**, а наименее устойчивым — местоимение **we** (не считая ее более неустойчивых **isn't** и **wasn't** с малой частотностью).

**4. Группы «Персоналии», «География» и «Сокращения».** Группу «Персоналии» с ЧС = 3410 открывает фамилия известного экономиста Нэша (Nash).

Прилагательное Keynesian (кейнсианский) по числу словоупотреблений стоит на втором месте с ЧС = 3011. Но если учесть все словоформы, производные от имени Дж. М. Кейнса (Keynes (1789), Keynes' (310), Keynesianism (212), Keynesians (187), Keynes's (806) — в круглых скобках приведены значения ЧС), то Кейнс будет на первом месте.

Третьим по частоте словоупотребления является имя В. Парето (Pareto, ЧС = 2307). В EconLit встречаются как выражения “Pareto optimal”, так и Pareto-optimal (ЧС = 121). Также есть выражения Pareto-efficient (134), Pareto-improvement (23), Pareto-improving (204), Pareto-ranked (44) и некоторые другие с меньшими частотами.

Следующим по частоте стоит имя русского математика А.А. Маркова (Markov, ЧС = 2042), который положил начало всей современной теории марковских процессов, активно используемых при описании случайных процессов в экономике.

Также в числе первых двадцати персоналий мы встречаем имена классиков политической экономии А. Смита, Д. Риккардо и К. Маркса.

Среди географических названий в EconLit наиболее часто упоминается все, что связано с США (включая отдельные штаты и крупные города), на втором месте идет Европа в целом, и ее крупнейшие экономики (Великобритания, Германия, Франция), на третьем месте Азия и Япония. В течение анализируемого периода заметно выросло упоминание в англоязычной литературе таких быстро развивающихся стран, как Китай, Индия и Бразилия. Переход России и других постсоциалистических стран к рынку нашел свое отражение в росте частоты упоминаний названий соответствующих стран и их объединений (СНГ — CIS).

В группе «Сокращения» на первых трех местах располагаются R&D (Research & Development — исследования и разработки, ЧС = 9517), GDP (Gross Domestic Product — валовой внутренний продукт, ЧС = 6244), OECD (Organization for Economic Cooperation and Development — Организация экономического сотрудничества и развития, ЧС = 5760).

**5. Первые четыре наиболее значимых термина.** Такими терминами среди 15086 словоформ, входящих в группу «Термины», будут: economic — экономический (120579; 0,63); model — модель (118648; 0,62); market — рынок (103303; 0,54); policy — политика (100918; 0,53). Первое число в круглых скобках после каждого термина показывает общее число словоупотреблений в целом за рассматриваемый период, второе — процент от общего числа словоупотреблений по группе термины (равно 19110864). Всего это составляет 2,32%. Только для этих четырех терминов ЧС больше 100 тыс. Если перевести проценты в значения ХС (то есть в расчете на 1 млн слов), то получим в среднем за период economic = 6309, model = 6208; market = 5405; policy = 5281.

С учетом всех однокоренных словоформ, учтенных в данном варианте частотного словаря EconLit, картина будет следующей.

**Economic** (120579): economical (301), economically (1962), economic-political (15), economics (37326), economics-based (17), economic-structural (9), economies (22190), economising (9), economist (2046), economists (9084), economist's (279), economists' (373), economize (78), economy (51333), economy's (638), economywide (144), economy-wide (368), Итого: 246751 или **1,29%** от ЧС по группе «Термины».

<sup>3</sup> Эпштейн М. Частотный словарь языка как философская картина мира. Английский артикуль «the» и русский предлог «в» // Топос, 2005, 24 января. (URL: <http://www.topos.ru/article/3194>).

**Model** (118648): model-based (182), modeled (1532), model-implied (12), modeling (6323), modelled (724), modelling (3931), models (50471), model's (932), models' (103), Итого: 182858 или **0,96%**.

**Market** (103303): marketable (214), market-adjusted (34), market-based (963), market-clearing (146), market-driven (128), marketed (194), marketers (160), marketing (5803), marketing's (11), marketization (194), market-level (47), market-like (45), marketmaker (16), market-oriented (573), marketplace (740), market-related (42), markets (46885), market's (569), markets' (156), market-to-book (84). Итого: 160307, или **0,84%**.

**Policy** (100918): policies (32557), policing (236), policymaker (228), policy-maker (63), policymakers (2014), policy-makers (572), policymakers' (120), policymaking (589), policy-making (856), policy-relevant (97), policy's (76). Итого: 138326 или **0,72%**.

Таким образом, в сумме на долю этих четырех терминов приходится **3,81%** от общего числа словоупотреблений по группе «Термины». Но годовые значения частот ХС будут существенно меняться, о чем свидетельствует график на рис. П4.1.

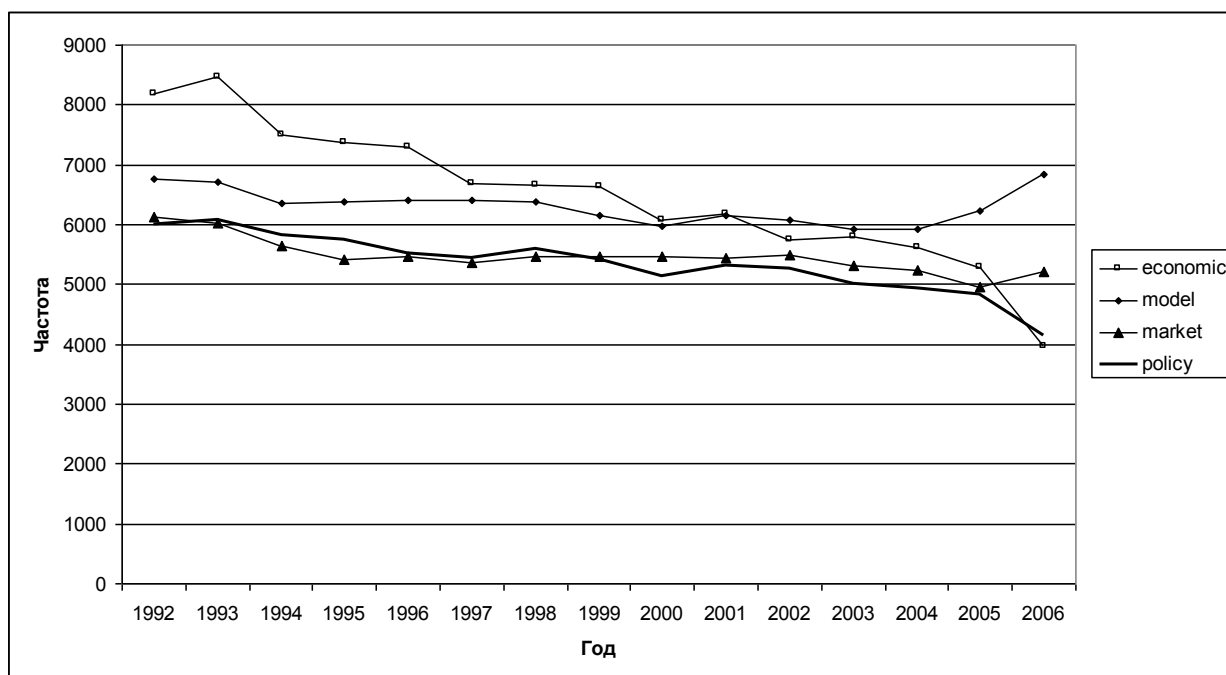


Рис. П5.1. Изменение частот первых четырех терминов по годам (в расчете на 1 млн словоупотреблений)

Как видно из графика, начиная с 2001 года относительная частота термина *model* постоянно выше, чем *economic*. Важно подчеркнуть, что в экономике термин «модель» используется как в широком смысле — как любой образ (мысленный или условный: изображение, описание, схема, чертеж, график, план, карта и т.п.) какого-либо объекта, процесса, явления, так и в более узком, логико-математическом смысле, как один из методов, входящих в макрообласть С классификации EconLit «Математические и количественные методы».

**6. Наиболее значимые термины EconLit и оценка степени покрытия текста.** Частотные словари могут использоваться для определения степени покрытия текста разными словами (словоформами). Это позволяет оценивать прогресс в изучении иностранного языка. Обычно используются «круглые» значения: 10, 20, 30 и т.д. процентов.

В частотном словаре терминов EconLit, представленном в дипломе, 10% от общего числа словоупотреблений дают следующие 28 словоформ:

economic, model, market, policy, between, more, growth, data, can, analysis, new, countries, results, development, than, also, effects, using, capital, rate, some, social, study, economy, financial, models, two, evidence.

Уровня 20% можно достичь, если освоить еще 49 словоформ:

firms, public, how, when, international, price, may, markets, other, theory, information, income, one, time, use, system, investment, empirical, impact, over, tax, research, rates, case, economics, different, risk, effect, costs, changes, exchange, show, labor, role, under, about, monetary, will, approach, production, based, political, demand, find, prices, government, used, if, industry.

Для достижения 30% от общего числа словоупотреблений по группе «Термины» необходимо взять еще 71 словоформу:

article, into, policies, equilibrium, state, performance, most, states, process, first, index, our, change, examines, important, level, sector, business, employment, all, management, cost, period, world, structure, foreign, work, studies, only, real, interest, value, stock, through, summary, welfare, health, general, do, well, issues, environmental, large, during, efficiency, private, competition, optimal, firm, implications, relationship, national, higher, returns, increase, high, united, university, productivity, factors, three, wage, significant, bank, distribution, where, reform, local, inflation, future, what.

Как видно из рис. П5.2, чтобы быть в состоянии понимать 75% текстов в EconLit, потребуется усвоить 1334 слова.

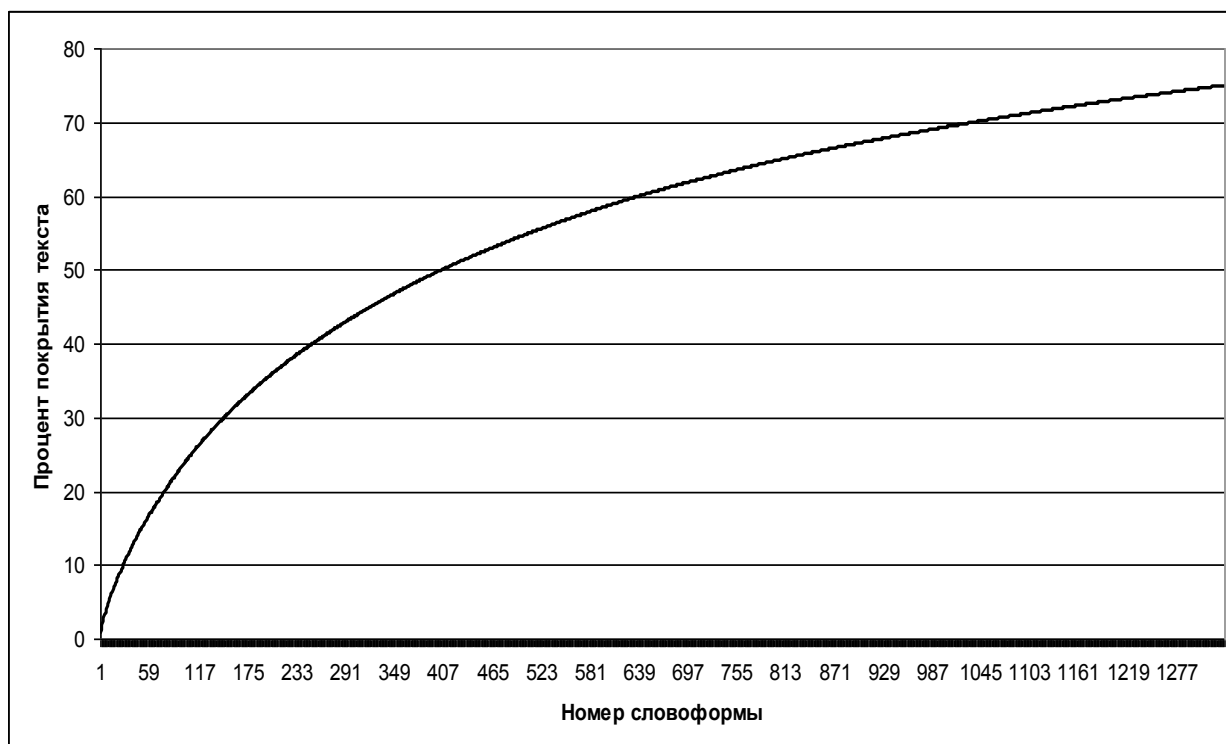


Рис. П5.2. Зависимость степени покрытия текста от числа терминов

**7. Наиболее значимые слова предметных макрообластей.** Приведем примеры частотных словарей ключевых слов для предметных макрообластей EconLit. Они показывают, во-первых, то макрообласти являются разными по объему уже исходя из предложенных ключевых слов, и, во-вторых, часть ключевых слов входит в разные области. Последнее подтверждает правильность дополнения частотных словарей по отдельным предметным областям общим частотным словарем EconLit, что и сделано в настоящей дипломной работе. Также следует обратить внимание, что в составе предложенных менеджерами EconLit ключевых слов встречаются слова американского и английского вариантов языка.

Приведем примеры частотных словарей ключевых слов для нескольких предметных макрообластей EconLit с числом словоупотреблений 5 и более. Они показывают, во-первых, то макрообласти являются разными по объему уже исходя из предложенных ключевых слов, и, во-вторых, часть ключевых слов входит в разные области. Последнее подтверждает

правильность дополнения частотных словарей по отдельным предметным областям общим частотным словарем EconLit, что и сделано в настоящей дипломной работе. Также следует обратить внимание, что в составе предложенных менеджерами EconLit ключевых слов встречаются слова американского и английского вариантов языка.

**А «Экономикс в целом и обучение»:** economists (9084), bibliography (5744), ethical (2005), ethics (1956), sociology (1713), philosophy (1624), psychology (1136), journals (948), philosophical (806), sociological (698), citations (517), anthropology (408), morality (393), biology (366), physics (329), NBER (276), academia (272), philosophers (208), social economics (183), sociopolitical (165), sociocultural (150), Nobel prize (143), economics departments (133), morals (105), introductory economics (100), social values (99), economics journals (94), radicalism (51), egoism (42), sociobiology (34), АЕА (32), socioeconomics (32), undergraduate teaching (14), graduate teaching (9).

**В «Школы экономической мысли и методология»:** monetary (34424), money (17912), evolution (10303), methodology (8000), neoclassical (3781), evolutionary (3570), methodological (3220), macroeconomics (2444), paradigm (2416), econometrics (1983), normative (1943), philosophy (1624), socialism (1467), methodologies (1175), philosophical (806), Walrasian (801), Ricardian (771), microeconomics (739), Adam Smith (738), rhetoric (721), new Keynesian (676), realism (539), Schumpeterian (516), narrative (444), individualism (435), canonical (431), institutionalism (419), Marxism (414), Marxian (407), Marshallian (395), verification (377), evolutionary economics (344), heuristics (336), persuasion (276), feminism (269), utilitarianism (260), economic methodology (221), philosophers (208), new classical (205), monetarism (190), biography (184), pragmatism (180), formalism (171), tatonnement (168), enlightenment (152), abstraction (151), ontological (146), Austrian school (145), mercantilism (131), ontology (130), feminist economics (115), historical school (115), paradigmatic (109), quantitative methods (107), mercantilist (99), positivism (98), rationalism (88), tableau (86), Smithian (84), socialists (83), marginalism (74), Veblenian (74), physiocracy (73), canon (72), neoclassicism (54), reductionism (53), physiocratic (53), physiocrats (45), idealism (42), classical school (41), neoinstitutional (33), historicism (26), universals (24), praxeology (22), neoinstitutionalist (16), cameralism (15), remembrance (14), praxeological (14), ancient economic thought (9), falsifiability (8), career history (7), metatheory (7), greek economic thought (6), Mediaeval (5).

**Д «Микроэкономика»:** policy (100918), growth (75629), firms (50203), information (45884), income (45594), investment (40573), risk (36830), production (33862), political (33581), government (33233), equilibrium (32475), cost (28915), value (27383), welfare (26818), efficiency (24719), firm (24497), productivity (23640), wage (23188), distribution (23065), behavior (21598), choice (20633), supply (18577), institutions (18123), money (17912), individual (16921), regulation (13945), inequality (13767), property (13338), knowledge (12942), equity (12907), rules (12804), uncertainty (12692), rights (11004), utility (10828), family (10301), learning (9819), wealth (9595), probability (9578), households (9538), contracts (9244), organization (9019), allocation (9002), protection (8530), network (8348), equilibria (8067), bargaining (8062), capacity (7894), entry (7734), war (7666), expenditure (7447), budget (7137), behaviour (7090), search (6422), saving (5955), needs (5923), conflict (5759), preference (5359), profits (5339), agency (5156), externalities (4952), concentration (4719), enterprise (4707), core (4690), elasticity (4480), democracy (4364), transactions (4345), property rights (4288), voting (4030), monitoring (3820), profitability (3749), diversification (3740), association (3698), safety (3668), monopoly (3641), elasticities (3517), public sector (3464), hazard (3427), rationality (3286), hold (3279), auction (3222), income distribution (3193), redistribution (3052), administration (3050), hedging (3038), military (2993), rent (2967), representation (2944), corruption (2942), justice (2931), inventory (2872), decision making (2802), transaction costs (2788), behavioral (2751), inefficiency (2477), risk aversion (2403), social welfare (2396), asymmetric information (2338), exit (2308), differentiation (2306), confidence (2303), bankruptcy (2291), consensus (2288), defense (2280), moral hazard (2191), arbitrage (2178), capital accumulation (2145), equality (1943), reputation (1838), production function (1823), team (1804), oligopoly (1776), belief (1673), election (1641), factor productivity (1599), organisation (1568), externality (1549), signals (1530), returns to scale (1499), adverse selection (1484), collusion (1483), contingent valuation (1479), economic reform (1476), rationing



(1439), bid (1424), economies of scale (1423), fairness (1360), congress (1356), violence (1347), expectation (1320), duopoly (1302), imperfect competition (1300), life cycle (1256), rate of return (1254), campaign (1253), wage inequality (1242), bidding (1241), hierarchical (1221), voter (1199), policy analysis (1199), leisure (1186), sanctions (1184), public choice (1172), defence (1158), disputes (1156), signaling (1155), hierarchy (1151), licensing (1128), constitution (1117), endowment (1113), budgeting (1097), social choice (1092), coalitions (1087), lobbying (1026), altruism (1009), multiplier (988), computable general equilibrium (988), alliance (962), collective action (940), quality of life (892), living standards (883), cge (873), chance (872), oligopolistic (859), scale economies (849), distributive (845), price discrimination (842), deterrence (841), presidential (828), fashion (827), risk sharing (827), data envelopment (822), wage gap (821), policy making (814), reciprocity (802), competence (800), division of labor (774), monopolistic competition (739), firm level (739), rational choice (738), equitable (731), speculation (724), votes (712), certainty (699), committees (693), bureaucracy (687), recreation (682), representatives (680), translog (667), renegotiation (665), incomplete markets (658), democratization (625), behavioural (610), risk averse (602), terrorism (601), rivalry (600), egalitarian (586), liquidity constraints (585), GINI (582), networking (577), wants (573), bounded rationality (562), monopolies (531), standard of living (528), imperfect information (526), liberty (520), cost functions (518), rent seeking (515), bequests (513), economic welfare (507), food safety (503), contests (488), hierarchies (482), taste (479), ignorance (477), consumer surplus (466), clubs (461), license (460), stochastic dominance (452), public administration (448), obligation (433), inheritance (420), Marxism (414), elasticity of demand (414), household production (394), morality (393), labeling (392), allocative efficiency (382), draft (381), combat (374), political process (373), habit formation (356), food consumption (356), division of labour (354), bequest (352), hegemony (352), social accounting (348), anticipation (344), revealed preference (342), monopsony (335), risk taking (328), excess capacity (327), indifference (319), interest group (319), diplomacy (319), risk neutral (318), Pareto optimal (311), wage distribution (304), charity (304), second best (301), learning by doing (301), veto (296), tournaments (296), intergenerational transfers (295), cost effectiveness (291), full information (288), dispute resolution (287), institutional design (287), first best (286), decision theory (284), inequity (278), precautionary saving (277), majority rule (270), legislature (269), wealth distribution (267), social welfare function (266), library (265), path dependence (264), utilitarianism (260), revolutions (259), information acquisition (259), incomplete contracts (257), cost of living (257), prospect theory (253), intangible assets (249), perfect foresight (249), dictatorship (248), gini coefficient (247), expected utility theory (244), marginal productivity (233), electorate (232), permanent income hypothesis (230), epistemic (225), distributive justice (222), luxury (220), consumption smoothing (219), deadweight loss (215), coase theorem (214), exchange economies (214), pareto optimality (211), generational accounting (209), firm behavior (208), public enterprise (206), incentive compatibility (204), sunspot equilibria (203), regret (201), libraries (199), warfare (199), consumer protection (198), oligopolies (196), conflict resolution (193), lexicographic (192), consumer credit (188), factor demand (186), shadow prices (180), consumerism (172), disarmament (169), tatonnement (168), time allocation (164), politician (161), lobbies (160), apportionment (159), nonlinear pricing (157), internal organization (155), information transmission (154), bailout (151), sympathy (150), charities (149), marginal cost pricing (146), pac (145), profit rates (144), organizational behavior (142), cost effective (139), factor substitution (137), ballot (137), optimal contracts (136), intergenerational equity (134), majoritarian (133), donation (132), shackle (131), duopolistic (131), cost benefit (130), real money balances (129), producer surplus (129), knowledge production (128), lifecycle (127), factor proportions (124), middlemen (122), international conflict (121), embargo (121), product mix (121), cournot duopoly (120), impossibility theorem (118), rent sharing (116), deception (116), middle income (113), production capacity (112), Pareto improving (112), intertemporal elasticity of substitution (111), injustice (110), rebellion (109), duopolists (107), interest income (106), peacekeeping (106), morals (105), fair division (103), rational expectation (102), soft budget constraint (101), oligopolists (101), firm investment (101), licence (101), monopolists (101), pareto efficiency (99), political business cycle (96), rivalries (94), preference theory (93), surplus value (93), risk neutrality (87), pigouvian tax (85), Cournot model (84), price leadership (83), factor shares (83), herd behavior (82), democratisation (81), bads (79),

capital productivity (78), product safety (77), personal bankruptcy (77), input output (76), labor hoarding (75), national wealth (75), quantity competition (75), temporary equilibrium (74), partial adjustment model (71), homework (71), risk return (70), separation of powers (68), principal agent (67), bilateral monopoly (66), preference structure (65), voluntarism (64), firm behaviour (64), labor theory of value (63), Coasean (62), duopolies (61), benefit cost (59), national defense (59), collusive behavior (58), institutional choice (58), certainty equivalence (57), compensating variation (57), factor income (55), boycott (53), production index (52), positive economics (52), agenda setting (51), dissaving (50), choice of technique (48), risk bearing (46), elasticity of supply (46), information based (46), cost minimizing (46), benevolence (45), Stackelberg equilibrium (45), gift giving (45), wage inequalities (45), rules versus discretion (44), luxuries (43), family economics (43), use of knowledge (43), general welfare (43), labour theory of value (43), consumer debt (43), speculator (42), bipartisan (41), suffrage (40), personal income distribution (40), unfairness (39), implementation theory (39), industrial capacity (38), blockade (38), technological choice (38), menu cost (38), household economics (38), reswitching (38), product durability (38), nonprice competition (37), politic (36), armament (33), dynamic externalities (33), public monopoly (32), durable goods monopoly (31), bicameral (30), production of knowledge (30), herd behaviour (29), collusive behaviour (28), Allais paradox (28), unequal exchange (28), labour hoarding (27), national defence (27), caucus (26), disequilibrium dynamics (26), Bertrand model (24), rent capture (23), approximate equilibria (22), oligopoly pricing (22), private monopoly (22), kinked demand curve (22), firm financing (21), normative criteria (20), internal organisation (20), social opportunity cost (20), isoquants (20), peacemaking (19), relative distribution (19), insurrection (19), gerrymandering (18), emergence of markets (17), risk loving (17), Cobb Douglas (15), cameralism (15), microeconomic behavior (13), intertemporal decision making (13), relative income hypothesis (13), political campaign (12), marginal efficiency of capital (11), adaptive expectation (11), basing point (11), impeachment (11), microeconomic principles (10), administered price (9), Olsonian (9), two party (9), organisational behaviour (9), firm production (9), brand preference (9), incentive compatible mechanism (8), labor leisure choice (8), technocrat (8), search matching (7), public organization (7), nonmarket production (6), cobweb models (5), institution formation (5), Gorman polar (5), full cost pricing (5), nonexpected utility theory (5), probability curve (5).

**Е «Макроэкономика и монетарная экономика»:** income (45594), investment (40573), tax (38816), labor (35749), monetary (34424), production (33862), prices (33235), equilibrium (32475), employment (29478), interest (27715), wage (23188), distribution (23065), inflation (22810), consumption (19483), labour (19464), unemployment (18648), supply (18577), output (18388), money (17912), debt (15388), credit (14662), monetary policy (13167), currency (11485), taxes (10487), evolution (10303), wealth (9595), cycle (8813), interest rates (8314), expenditure (7447), forecasting (6347), modeling (6323), saving (5955), simulation (5731), stock market (5495), profits (5339), expansion (5151), business cycle (4837), yield (4813), accumulation (4796), forecast (4589), fiscal policy (3999), modelling (3931), neoclassical (3781), profitability (3749), stabilization (3664), evolutionary (3570), income distribution (3193), deficit (3104), redistribution (3052), inventory (2872), switching (2271), currencies (1928), gold (1921), depression (1912), production function (1823), financial market (1713), recession (1666), money demand (1583), boom (1532), price level (1508), returns to scale (1499), money supply (1381), unemployment rate (1360), life cycle (1256), rate of return (1254), policy analysis (1199), aggregate demand (1174), capital stock (1133), outlook (1115), monetary system (1058), fed (1017), multiplier (988), discount rate (963), economic conditions (950), Phillips curve (915), informal sector (866), inventories (847), distributive (845), public investment (825), chaos (822), bubble (818), policy making (814), Walrasian (801), full employment (791), public capital (769), CPI (740), gold standard (739), dollarization (728), deflation (715), stagnation (694), new Keynesian (676), term structure of interest rates (659), asset price (630), disinflation (621), contraction (611), natural rate (598), seigniorage (595), real business cycle (594), supply side (585), liquidity constraints (585), indexation (576), procyclical (548), credit rationing (530), Schumpeterian (516), stabilisation (509), open market (505), nominal interest rates (495), currency substitution (465), Nairu (461), countercyclical (459), central banking (454), wealth effects (441), economic fluctuations (431), institutionalism (419), post Keynesian (417), Marxism (414), aggregate supply (411), sunspot

(410), Marxian (407), aggregate consumption (391), consumer price index (389), representative agent (367), hyperinflation (366), habit formation (356), evolutionary economics (344), CES (343), interest parity (329), Bundesbank (327), excess capacity (327), effective demand (324), equilibrium unemployment (322), crowding out (308), leading indicators (307), involuntary unemployment (307), turbulence (306), wage distribution (304), intergenerational transfers (295), reserve requirements (294), fluctuation (291), Fomc (283), lender of last resort (279), Ricardian equivalence (278), underground economy (278), precautionary saving (277), fiat money (269), reaction function (268), government bonds (268), real activity (261), macroeconomic stabilization (258), balanced budget (237), permanent income hypothesis (230), bust (224), free banking (216), generational accounting (209), underemployment (209), new classical (205), aggregate investment (203), federal reserve system (200), structural unemployment (194), bottleneck (194), monetary regime (193), overinvestment (193), macroeconomic data (192), monetarism (190), factor demand (186), credit crunch (184), open market operations (179), liquidity preference (178), informal economy (173), wage indexation (163), accelerator (159), price policy (155), cyclic (155), price support (154), stagflation (152), Baumol (151), fisher effect (150), spot rate (149), profit rates (144), quantity theory of money (144), Laffer curve (143), policy effects (143), control theory (142), aggregate production function (140), Lucas critique (138), factor substitution (137), intergenerational equity (134), Sraffian (129), real money balances (129), lifecycle (127), econometric modeling (126), federal reserve board (119), flow of funds (107), interest income (106), inflation stabilization (105), incomes policy (104), capital expenditure (102), rational expectation (102), loanable funds (101), economic outlook (101), relative price variability (100), political business cycle (96), surplus value (93), price control (92), specie (89), money multiplier (89), ppi (89), velocity of money (86), international business cycles (86), production smoothing (84), national income accounting (82), inside money (81), price policies (80), bimetallism (79), zero inflation (78), long wave (75), labor hoarding (75), neutrality of money (74), money illusion (72), partial adjustment model (71), dollarisation (67), falling rate of profit (66), coinage (55), factor income (55), overcapacity (54), neoclassicism (54), production index (52), dissaving (50), incomes policies (49), bullion (48), national budget (46), supply of money (46), macroeconomic policy coordination (43), bank run (42), inflationary finance (39), reswitching (38), industrial capacity (38), okun (38), definition of money (37), monetary standard (36), Thatcherism (36), macroeconomic stabilisation (36), oscillating (35), reaganomics (35), wage regulation (35), neoinstitutional (33), post Keynesianism (30), intergenerational income mobility (30), money neutrality (29), labour hoarding (27), cash in advance (26), disguised unemployment (26), eurosclerosis (25), monetary target (25), long cycle (25), money velocity (23), banknote (22), wholesale price index (21), wage shares (20), monetary instrument (19), WPI (18), nonneutrality of money (18), neoinstitutionalist (16), balanced budget multiplier (16), intergenerational conflict (16), Cobb Douglas (15), money price (14), relative income hypothesis (13), retail price index (13), business forecasting (13), is lm model (12), marginal efficiency of capital (11), commodity standard (11), capital output ratio (11), cost push (11), emergence of money (10), inflation indexed (10), saving investment (9), silver standard (9), national income and product account (8), dual currency (8), wage control (7), inflation stabilisation (7), general outlook (7), measurement and data (6), Kondratieff cycle (6), contracyclical (6), fairmodel (6), output inflation (5), national deficit (5), multiplier accelerator (5), rent income (5).

**Г «Международная экономика»:** growth (75629), technology (22732), global (18904), debt (15388), integration (15235), monetary policy (13167), security (12625), currency (11485), south (10785), liberalization (8767), EU (8551), protection (8530), migration (7688), globalization (7623), exchange rates (6470), technologies (6462), exports (6383), forecasting (6347), aid (6231), conflict (5759), simulation (5731), FDI (5553), competitiveness (5135), intervention (4932), agreement (4925), business cycle (4837), forecast (4589), link (4580), subsidies (4454), foreign direct investment (4439), lending (4272), WTO (4210), fiscal policy (3999), import (3852), multinational (3810), foreign exchange (3679), monopoly (3641), immigration (3547), assistance (3514), tariff (3440), tourism (3351), world bank (3346), monetary union (2960), EMU (2887), borrowing (2494), openness (2223), current account (2153), reserves (2103), IMF (2039), currencies (1928), world economy (1920), economic integration (1915), globalisation (1819), NAFTA (1808), foreign investment (1791), oligopoly (1776), liberalisation (1753), transnational

(1677), EC (1635), comparative advantage (1629), terms of trade (1622), immigrant (1551), purchasing power (1510), devaluation (1506), foreign trade (1349), negotiation (1337), rate of return (1254), PPP (1214), GATT (1200), sanctions (1184), purchasing power parity (1148), quotas (1118), ASEAN (1091), balance of payments (1087), international business (1055), product differentiation (1031), financial liberalization (956), intellectual property rights (892), oligopolistic (859), trade agreements (853), European monetary union (847), antidumping (845), policy making (814), foreign aid (793), division of labor (774), risk premia (744), gold standard (739), monopolistic competition (739), foreign currency (731), dollarization (728), international relations (703), protectionism (702), external debt (679), APEC (652), international competitiveness (646), Bretton Woods (645), migrant (624), capital account (616), emigration (587), peg (578), currency crisis (577), nationalism (556), international migration (548), transport costs (541), monopolies (531), Mercosur (531), offshore (529), international finance (523), duty (521), international monetary fund (519), rent seeking (515), fixed exchange rate (515), dumping (506), joint venture (489), currency substitution (465), gains from trade (463), convertibility (452), protectionist (447), debt crisis (432), capital flight (423), currency area (409), foreign ownership (407), transfer pricing (393), target zone (390), foreign debt (357), division of labour (354), strategic trade (350), customs union (336), international investment (331), interest parity (329), risk assessment (328), imperialism (323), currency union (321), financial risk (313), crowding out (308), country risk (303), development bank (270), factor price (267), direct foreign investment (262), national security (253), import substitution (249), EEC (249), multilateralism (246), forward rate (242), joint production (242), international reserves (241), MNE (238), adjustment programs (225), international debt (206), Washington consensus (205), economic globalization (204), commercial policy (200), oligopolies (196), conflict resolution (193), brain drain (186), MNC (184), labor migration (179), absorptive capacity (178), creditworthiness (176), ECU (167), refugee (162), MFN (160), financial liberalisation (160), consortium (159), colonialism (151), spot rate (149), capital flow (141), trade models (141), eurodollar (140), multinational firm (136), nationalization (135), Tobin tax (133), nontradable (131), labour migration (128), econometric modeling (126), BIS (126), monetization (124), foreign exchange reserves (123), debt burden (123), international conflict (121), factor price equalization (120), financial contagion (114), import price (112), emigrants (108), AFTA (106), general agreement on tariffs and trade (106), international organization (103), optimal currency area (101), oligopolists (101), monopolists (101), international business cycles (86), globalism (84), foreign assistance (82), alien (80), infant industry (77), European economic community (75), SDR (74), international policy coordination (73), international economic order (72), eurobonds (71), international lending (69), dollarisation (67), international public goods (64), economic nationalism (62), economic globalisation (59), bank for international settlements (59), international agreement (56), TNC (55), IBRD (54), capital control (53), transfer problem (52), managed trade (52), optimal trade policy (51), USAID (50), trade imbalance (48), debt rescheduling (46), international trade agreements (46), macroeconomic policy coordination (43), immiserizing growth (42), nationalisation (42), Lome convention (38), import competing (37), fob (30), transfer paradox (29), macroeconomic interdependence (28), comparative cost (28), economic imperialism (28), commodity agreements (27), sterling area (27), new international economic order (26), international negotiation (26), international bank for reconstruction and development (26), international monetary arrangements (25), Leontief paradox (25), duty free (24), international factor movements (23), eurocentric (22), export restrictions (20), COMECON (20), transmigration (19), European free trade association (19), dual exchange rates (18), drawing rights (18), population migration (18), intra industry trade (17), idb (16), export led (16), j curve (15), import subsidy (15), emergency relief (14), debt service ratio (14), money price (14), international sanctions (14), North South (14), financial flow (13), postcolonialism (12), international capital movement (11), debtor nation (10), silver standard (9), saving investment (9), foreign trade multiplier (9), creditor nation (9), international monetary institutions (9), dual currency (8), non tariff (7), international organisation (7), guestworker (7), nontariff barrier (6), big Mac parity (6), trade theoretic (6), Gorman polar (5), non tradable (5), factor price equalisation (5).

**Г «Финансовая экономика»:** capital (53930), investment (40573), production (33862), insurance (16820), standard (14744), credit (14662), earnings (13965), regulation (13945), banking

(13153), governance (10001), ownership (9815), portfolio (8924), financing (7134), pension (6371), restructuring (5837), stocks (5603), yield (4813), bond (4359), lending (4272), shares (4253), diversification (3740), dividend (3182), deregulation (3168), stock returns (3091), corporate governance (3073), inventory (2872), mortgage (2657), borrowing (2494), merger (2434), health insurance (2430), bankruptcy (2291), deposit (2275), capital accumulation (2145), reserves (2103), acquisition (2022), derivatives (1992), asset pricing (1987), capital market (1930), depreciation (1885), leverage (1843), treasury (1668), accountability (1658), stock price (1636), shareholder (1540), venture capital (1373), capital structure (1265), rate of return (1254), deposit insurance (1238), beta (1227), investment decisions (1100), IPO (1026), takeover (1009), commercial banks (978), cost of capital (877), CAPM (826), policy making (814), ownership structure (811), capitalization (752), risk premia (744), mutual fund (695), NASDAQ (675), bank lending (669), institutional investors (655), asset returns (648), NYSE (630), asset price (630), equities (624), firm value (609), ruin (586), futures market (583), insider trading (561), corporate control (550), credit rationing (530), international finance (523), insolvency (522), portfolio choice (509), annuity (491), equity premium (480), leasing (472), financial intermediaries (459), liquidation (434), capital asset pricing (431), corporate finance (417), foreign ownership (407), lease (394), indebtedness (381), annuities (377), brokerage (339), credit card (338), risk assessment (328), REITs (327), holding companies (320), capital budgeting (320), financial risk (313), REIT (303), banking crisis (302), reserve requirements (294), thrift (291), depository (285), foreign assets (275), government bonds (268), international financial markets (268), pension fund (264), information acquisition (259), investment policy (252), divestiture (251), intangible assets (249), corporate restructuring (242), foreclosure (237), corporate investment (233), checking (233), risk analysis (230), Dow (225), free banking (216), copula (213), refinancing (203), federal reserve system (200), mortgage market (198), sec (194), disability insurance (193), overinvestment (193), bank regulation (193), consumer credit (188), buyout (186), credit crunch (184), investment banking (172), shareholding (165), savings and loan (165), bankruptcies (160), accelerator (159), bailout (151), business investment (150), delinquency (147), currency markets (147), corporate ownership (146), January effect (144), rating agencies (143), automobile insurance (137), fixed rate (134), FDIC (133), Tobin tax (133), dax (124), leveraging (123), random walk hypothesis (119), federal reserve board (119), financial intermediary (110), stockholder (110), actuaries (104), capital expenditure (102), firm investment (101), capitalisation (98), portability (91), stockholding (91), deregulating (88), stock repurchases (82), eurobonds (71), risk return (70), amortization (69), payout policy (66), capital gain (66), firm ownership (64), building societies (63), firm valuation (62), overcapacity (54), savings bank (54), payment card (53), consumer debt (43), annuity markets (42), debit card (36), rating agency (35), building society (33), fixed term (33), financing policy (32), FSLIC (31), price earnings (30), adjustable rate (29), corporate payout (26), actuary (26), overdraft (23), clearing house (23), firm financing (21), fixed asset (19), proxy contest (18), risk hedging (17), security analyst (16), debits (15), private financial institutions (15), financial forecasting (13), zerobonds (12), marginal efficiency of capital (11), NASD (10), value of firm (8), measurement and data (6), corporate voting (6), earnings returns (5), corporate default (5).

**И «Экономика общественного сектора»:** tax (38816), government (33233), health (26813), education (19777), debt (15388), security (12625), school (11483), taxes (10487), taxation (8626), war (7666), expenditure (7447), pension (6371), infrastructure (5858), conflict (5759), revenue (5617), social security (5523), externalities (4952), elasticity (4480), subsidies (4454), lending (4272), fiscal policy (3999), elasticities (3517), assistance (3514), public sector (3464), surplus (3447), income tax (3263), deficit (3104), redistribution (3052), military (2993), incidence (2925), public goods (2847), health insurance (2430), compliance (2429), defense (2280), elderly (2192), collection (2172), depreciation (1885), treasury (1668), externality (1549), Medicare (1456), disability (1408), procurement (1349), federalism (1221), Medicaid (1190), public finance (1183), defence (1158), capital stock (1133), budgeting (1097), discounting (1028), evasion (1010), public health (974), alliance (962), police (847), deterrence (841), public expenditure (786), public capital (769), tax evasion (718), lottery (686), property tax (644), terrorism (601), vat (590), budget constraint (577), lotteries (531), time preference (523), voucher (495), public pension (476), old age (457), public administration (448), elasticity of demand (414), government expenditures (404),

taxpayer (389), draft (381), combat (374), consumption tax (360), appropriation (357), entitlements (355), tax compliance (345), optimal taxation (342), excise (342), sales tax (328), public economics (313), hunger (300), social assistance (297), AFDC (296), underground economy (278), government bonds (268), NATO (266), national security (253), intangible assets (249), balanced budget (237), policing (236), valorem (233), estate tax (210), generational accounting (209), environmental tax (207), tax incidence (202), warfare (199), Tiebout (193), food stamp (191), shadow prices (180), capitation (176), disarmament (169), local tax (158), state tax (158), capital taxation (158), FDA (151), tax collection (138), antipoverty (135), intergenerational equity (134), Tobin tax (133), cost benefit (130), turnpike (128), redistributive effects (127), project evaluation (126), secession (116), dams (116), public private (115), e-government (115), Wagner's law (110), rebellion (109), excise tax (105), treasury securities (103), income transfer (103), value added tax (98), state budget (97), education finance (94), negative income tax (93), generational accounts (89), soldiers (87), Pigouvian tax (85), business tax (82), federal state (81), welfare program (79), conscription (77), intergovernmental relations (69), education expenditures (66), international public goods (64), government performance (62), public safety (62), national defense (59), demobilization (59), land tax (58), inheritance tax (47), national budget (46), income tax evasion (46), block grant (46), TVA (40), NEA (40), HUD (39), household economics (38), family allowances (35), loan guarantee (34), armament (33), tax shifting (33), tax efficiency (32), homeland security (31), publicly provided goods (31), eminent domain (30), marriage penalty (28), national defence (27), pay as you go (23), state expenditure (23), tax externalities (22), retirement pension (21), social opportunity cost (20), local government expenditures (19), international terrorism (18), military procurement (16), corporate welfare (16), welfare programme (14), gift tax (14), effects on labor supply (12), demilitarization (12), local government revenue (12), military industrial (12), old age assistance (12), time discount rate (11), local government budget (9), ecotax (9), farm subsidy (8), government loans (8), state infrastructure (8), space program (8), environmental subsidy (7), turnover tax (6), state procurement (6), local public service (6), penal system (6), local government taxation (6), ecotaxation (5), demilitarisation (5), lump sum transfer (5), national deficit (5).

**І «Здоровье, образование и благосостояние»:** poverty (16080), inequality (13767), school (11483), need (11439), poor (9947), needs (5923), health care (5772), mortality (3978), schooling (3558), hospital (2569), recovery (2536), health insurance (2430), teaching (1937), disease (1824), hospitals (1799), AIDs (1606), medicare (1456), pharmaceutical (1416), disability (1408), smoking (1311), psychology (1136), nutrition (1035), public health (974), food security (962), managed care (912), quality of life (892), living standards (883), physician (881), teacher (831), healthcare (817), policy making (814), happiness (807), literacy (724), injury (695), prescription (674), cancer (664), abortion (636), disabled (592), medicine (585), low income (576), subsistence (566), standard of living (528), voucher (495), deaths (474), old age (457), HMO (452), rehabilitation (449), epidemic (437), tuition (383), mortality rates (369), addiction (368), entitlements (355), food aid (350), SSI (340), middle class (334), diet (331), morbidity (320), outpatient (308), suicide (305), AFDC (296), homeless (272), cost of living (257), obesity (250), malnutrition (247), infection (201), sickness (197), pharmacoeconomic (195), basic needs (179), substance abuse (175), diabetes (173), education policy (172), needy (167), spin-off (163), value of life (158), affluence (155), fixed income (149), qaly (138), well being (122), psychiatric (119), middle income (113), hospitalization (112), nurse (110), biomedical (104), impoverishment (104), R & D (104), heart disease (97), education finance (94), schizophrenia (87), poverty measurement (85), caregiving (83), stroke (80), retardation (70), hygiene (67), education expenditures (66), ghetto (61), infectious disease (56), pharmacists (55), flu (45), arthritis (43), smallpox (43), general welfare (43), diabetic (42), NEA (40), alcoholism (37), medigap (34), paralysis (31), sterility (26), depressed areas (19), dentistry (15), hospitalisation (15), old age assistance (12), morbidity rates (8), social indicator (7), health professional (7), mortality contingent (6), obstetricians (4), carcinogen (3), qale (3), poverty growth (2), podiatry (2), nutrition standards (1), births deaths (1).

**Ј «Экономика труда и демография»:** employment (29478), work (28198), productivity (23640), wage (23188), inflation (22810), education (19777), unemployment (18648), union (17924), population (15577), earnings (13965), inequality (13767), women (12637), participation

(10348), family (10301), contracts (9244), pay (8239), gender (8103), bargaining (8062), human capital (7801), migration (7688), children (7636), bias (7374), training (7323), mobility (6990), pension (6371), child (6028), social security (5523), compensation (5499), retirement (5224), adoption (5208), discrimination (4985), agreement (4925), fertility (4289), families (4267), safety (3668), female (3666), schooling (3558), immigration (3547), public sector (3464), race (3231), matching (3045), military (2993), skill (2961), census (2909), labor supply (2752), promotion (2739), entrepreneurship (2696), labor force (2642), racial (2563), health insurance (2430), turnover (2308), marriage (2299), elderly (2192), birth (2119), youth (2071), industrial relations (1811), segregation (1748), factor productivity (1599), minimum wage (1583), immigrant (1551), aging (1535), total factor productivity (1484), disability (1408), intermediation (1402), mothers (1368), unemployment rate (1360), workforce (1345), negotiation (1337), unskilled (1295), labour force (1286), rate of return (1254), wage inequality (1242), screening (1134), occupation (1089), hiring (1063), labor productivity (1046), labour supply (1041), unemployment insurance (1036), collective bargaining (990), divorce (950), parent (946), strike (946), cohorts (946), job creation (941), human resources (931), quality of life (892), physician (881), marital (877), salary (863), minorities (856), trade unions (855), police (847), teacher (831), professionals (828), wage gap (821), labor force participation (812), salaries (804), division of labor (774), child labor (759), labour productivity (739), literacy (724), deflation (715), nursing (711), discriminatory (702), injury (695), negotiating (666), renegotiation (665), accident (643), abortion (636), migrant (624), payroll (618), labor demand (617), unionization (613), ageing (612), job search (606), childhood (593), disabled (592), arbitration (591), emigration (587), labor income (563), child support (558), displaced (553), international migration (548), job satisfaction (546), hazardous (543), affirmative action (521), bonus (510), unionized (492), wage bargaining (491), childbearing (489), family planning (486), deaths (474), older workers (473), unionism (472), termination (470), old age (457), efficiency wage (451), child labour (437), firing (431), labor mobility (430), layoffs (412), labour demand (401), seniority (392), lawyers (372), vacancies (371), mortality rates (369), working conditions (366), contraceptive (365), childcare (362), mediation (362), overtime (361), division of labour (354), wage setting (353), hours of work (345), proprietary (341), profit sharing (338), monopsony (335), volunteer (314), labor economics (313), involuntary unemployment (307), labour force participation (305), unemployment duration (305), wage distribution (304), civil service (303), learning by doing (301), pregnancy (301), apartheid (300), afdc (296), apprenticeship (295), dismissal (292), spouse (289), adolescent (288), dispute resolution (287), doctors (279), vacancy (278), academia (272), feminism (269), incomplete contracts (257), aboriginal (255), prenatal (253), professions (253), marginal productivity (233), BLS (229), labour mobility (225), racism (224), labor unions (213), maternity (210), underemployment (209), racial discrimination (208), works councils (204), absenteeism (202), juvenile (195), living wage (191), transfer payments (190), brain drain (186), labor law (186), low wage (184), employee ownership (183), sterilization (182), labor migration (179), fringe benefits (176), labour income (175), sociodemographic (173), education policy (172), occupational choice (169), motherhood (168), vocational education (165), baby boom (164), time allocation (164), contraception (162), value of life (158), gender discrimination (158), prejudice (158), intergenerational mobility (157), comparable worth (157), malthusian (155), joblessness (152), mba (152), employee participation (149), fixed income (149), delinquency (147), harassment (146), retraining (141), pensioners (140), retiree (138), quits (138), expatriates (138), hires (135), infants (132), employment discrimination (131), labour migration (128), occupational mobility (127), internal labor markets (122), job matching (118), journalists (117), age distribution (116), quitting (115), labor turnover (113), wage subsidies (112), attorneys (110), nurse (110), labour law (108), pregnant (108), emigrants (108), immobility (106), migrant workers (106), family farms (103), hourly wages (98), oligopsony (98), specific human capital (97), artist (96), low skilled (94), temporary workers (92), employment subsidies (92), age discrimination (91), portability (91), employment services (87), tip (87), premarital (86), pay equity (86), maternity leave (86), parental leave (84), unionised (82), minimum wage legislation (82), codetermination (81), occupational safety (80), alien (80), part time (76), OSHA (74), antidiscrimination (73), wage subsidy (72), severance pay (70), work arrangements (70), moonlighting (68), sexual harassment (68), labor management (67), education expenditures (66), labour economics (64), labour turnover (63),

household formation (61), agricultural employment (60), handicapped (59), shutdown (57), unionisation (56), labour unions (55), internal labour markets (55), worksharing (55), boycott (53), workplace safety (53), marital dissolution (52), transfer problem (52), geographic mobility (50), government employees (49), employment determination (49), cio (47), single parent (46), wage inequalities (45), absentee (44), family economics (43), quit rates (43), piece rate (40), eugenics (39), nursery (39), polygyny (38), afl (37), overpopulation (37), artisan (36), work week (35), work sharing (35), wage regulation (35), labor contract (35), self employment (34), labor disputes (32), uaw (31), payment method (30), forced labor (30), skill biased (30), asian american (29), idleness (29), voluntary work (29), segmented labor markets (29), disguised unemployment (26), sterility (26), right to work (26), single mother (25), immigrant labor (24), plant closing (23), forced labour (23), labour management (22), retirement pension (21), company unions (21), closed shop (20), grievance procedures (19), umwa (19), transmigration (19), population migration (18), marriage rate (18), labour disputes (18), formal training programs (17), syndicalism (17), unemployment incidence (17), matching theory (16), daycare (16), sexism (16), public employee (16), dentistry (15), birthrate (14), proprietor (14), truckers (13), value of human life (13), overtime pay (13), teenager (12), polygamy (12), on the job training (12), professional labor markets (12), labour managed firms (12), occupational training (12), self employed (12), immigrant labour (11), labor force composition (10), manpower training (10), time rates (10), occupational classification (10), boomer (10), sterilisation (10), pay performance (9), iww (9), dual earner (9), labor management relations (9), athlete (8), producer cooperative (8), labour intermediation (8), labor leisure choice (8), segmented labour markets (8), strikebreaking (8), labour contract (8), workmen's compensation (7), labor managed firms (7), guestworker (7), prison labor (7), bonded labor (6), seiu (6), afscme (6), worker empowerment (6), public sector labor markets (5), out migration (4), bonded labour (4), work choice (4), malthusianism (4), seniority based (3), unemployment models (2), employee owned (2), industrial health (2), labour force composition (2), labour management relations (2), job uncertainty (2), wage tenure (2), firemen (2), firm union (1), worker owned (1), volunteer army (1), professional labour markets (1), births deaths (1), public sector labour markets (1), pro life (1), life balance (1), gender segregated (1).

**К «Право и экономика»:** tax (38816), competition (24610), environment (14988), regulation (13945), inequality (13767), property (13338), taxes (10487), contracts (9244), taxation (8626), pollution (5747), stock market (5495), discrimination (4985), concentration (4719), securities (4351), property rights (4288), monopoly (3641), income tax (3263), conservation (3261), crime (3014), liability (2981), corruption (2942), patent (2574), bankruptcy (2291), capital market (1930), industrial relations (1811), oligopoly (1776), collusion (1483), litigation (1341), courts (1167), natural gas (1074), oligopolistic (859), police (847), vice (774), child labor (759), punishment (747), terrorism (601), futures market (583), fraud (574), taxable (569), monopolies (531), older workers (473), tort (463), polluting (439), child labour (437), law enforcement (355), monopsony (335), international law (315), black market (313), vertically integrated (290), underground economy (278), ozone (260), tax law (248), policing (236), anticompetitive (231), coercion (225), estate tax (210), takings (202), oligopolies (196), theft (193), bribery (192), labor law (186), smuggling (182), jurisprudence (179), piracy (166), contract law (163), bankruptcies (160), fair trade (148), delinquency (147), sentencing (146), bribe (135), lawsuits (132), antitrust law (131), employment discrimination (131), labour law (108), prostitution (106), adjudication (105), excise tax (105), security markets (104), murder (102), oligopolists (101), monopolists (101), prisons (90), criminal law (86), product liability (84), occupational safety (80), product safety (77), OSHA (74), burglary (71), conspiracy (71), extortion (63), collusive behavior (58), rape (54), forensic economics (52), constitutional law (49), antimonopoly (47), stealing (47), international trade law (44), confiscation (40), probation (40), patentability (39), litigation process (33), narcotics (30), eminent domain (30), collusive behaviour (28), blackmail (21), antimerger (19), tax exempt (16), pornography (15), illegal behavior (12), tax deductible (12), corporation law (11), personal bankruptcy law (9), trespassing (9), forgery (6), taxability (5), corporate regulation (4), anticartel (4), ozone depleting (3), illegal behaviour (3), anti competitive (2), environmental health and safety (2), pollution law (1), carjacking (1), domestic terrorism (1), health and safety law (1).



**L «Индустриальная организация»:** production (33862), quality (20728), pricing (15569), regulation (13945), food (10287), book (9876), energy (9398), contracts (9244), network (8348), entry (7734), privatization (6843), oil (6468), transport (5434), concentration (4719), building (4577), transactions (4345), electricity (4189), construction (4173), diversification (3740), transportation (3671), monopoly (3641), press (3626), advertising (3521), public sector (3464), retail (3426), gas (3369), tourism (3351), Ex (3297), real estate (3293), corporations (3199), deregulation (3168), forest (2912), off (2778), drug (2598), travel (2576), foundations (2528), news (2371), exit (2308), differentiation (2306), software (2299), media (2059), gold (1921), nonprofit (1892), reputation (1838), oligopoly (1776), engineering (1603), partnership (1583), brand (1580), congestion (1568), biotechnology (1547), commerce (1543), hedonic (1531), collusion (1483), fuel (1479), firm size (1470), mining (1464), art (1448), automobile (1445), pharmaceutical (1416), industrial policy (1365), steel (1357), car (1326), smoking (1311), drugs (1305), cotton (1305), duopoly (1302), imperfect competition (1300), rate of return (1254), hierarchical (1221), privatisation (1168), telephone (1163), hierarchy (1151), licensing (1128), television (1113), airline (1110), vehicles (1096), natural gas (1074), beef (1058), supply chain (1048), outsourcing (1043), product differentiation (1031), tobacco (1025), fed (1017), shipping (1010), wholesale (948), sports (930), electronics (922), retailers (918), machine (909), competitive advantage (894), textile (886), vertical integration (866), combinations (864), oligopolistic (859), price discrimination (842), computers (834), petroleum (810), rail (805), freight (798), subsidiaries (791), gasoline (785), logistics (761), monopolistic competition (739), timber (737), cartel (735), machinery (707), lottery (686), recreation (682), publications (676), clothing (674), oil price (666), discounts (647), airport (594), wine (586), railroad (583), networking (577), telecommunication (562), automotive (554), corporate control (550), ports (545), product quality (542), retailing (539), standardization (537), franchise (535), monopolies (531), lotteries (531), iron (531), gambling (504), subsidiary (494), fertilizer (490), bus (490), joint venture (489), hierarchies (482), aircraft (470), apparel (467), nonprofit organizations (462), crude oil (460), publishing (451), wood (448), football (443), music (442), broadcasting (429), consulting (420), predatory (406), betting (398), semiconductor (387), OPEC (378), chemicals (362), price setting (357), cigarettes (350), subcontracting (348), small firm (346), privatizing (335), monopsony (335), metal (329), mine (327), copper (327), railways (324), holding companies (320), franchising (319), business services (305), trucking (305), charity (304), silver (302), beer (296), aviation (293), market entry (291), vertically integrated (290), market behavior (288), food industry (279), consultants (272), free entry (271), film (268), library (265), path dependence (264), pulp (262), entertainment (260), philanthropy (259), information acquisition (259), incomplete contracts (257), minerals (247), motor vehicle (247), joint production (242), newspapers (239), mines (237), conglomerates (234), telephony (230), food processing (225), public utilities (222), wool (221), digital divide (219), FCC (217), deadweight loss (215), commodity futures (214), biotech (214), cement (211), chemical industry (210), grocery (209), video (206), public enterprise (206), highways (206), electric utilities (204), pipeline (203), supermarket (203), refining (200), libraries (199), oligopolies (196), hoarding (194), entry deterrence (192), glass (191), power plants (189), casino (186), economic regulation (184), aerospace (183), electricity sector (180), market process (178), rubber (178), goodwill (177), multimedia (174), museum (172), ships (171), restaurants (171), basketball (170), footwear (169), piracy (166), trucks (166), hotels (165), profit maximizing (162), deindustrialization (161), computer industry (159), silk (159), privatize (158), logging (157), internal organization (155), lumber (153), Baumol (151), charities (149), marginal cost pricing (146), profit rates (144), organizational behavior (142), forest products (141), furniture (137), shipbuilding (136), optimal contracts (136), paper industry (136), nationalization (135), donation (132), nursing homes (131), printing (131), duopolistic (131), drink (130), beverage (129), brewing (128), extractive (128), standardisation (126), vertical restraints (126), durable good (124), middlemen (122), product mix (121), leather (121), Cournot duopoly (120), lemons (119), coal mining (118), aluminum (116), public private (115), taxi (114), market behaviour (112), exhaustible resources (111), attorneys (110), fixed price (110), contracting out (109), duopolists (107), state owned (106), prostitution (106), regulated industries (105), actuaries (104), performing arts (104), garment industry (103), golf (103), movies (103), oligopolists (101), monopolists (101), financial service (100), resale price

maintenance (97), professional services (96), journalism (96), artist (96), lawyer (94), combustion (92), ftc (91), butter (91), trains (91), postal service (90), refinery (90), information services (89), deregulating (88), employment services (87), bicycle (87), NCAA (86), ups (85), Cournot model (84), buyback (83), fertiliser (83), price leadership (83), telegraph (80), tire (78), air travel (76), crafts (75), open source software (74), NBA (74), motion picture (73), racing (73), tin (72), syndicate (71), hydrological (70), appliance (69), newly privatized (67), outsource (67), bilateral monopoly (66), resorts (65), hydropower (64), aluminium (62), fast food (62), accountant (62), dance (61), duopolies (61), cloth (60), dealership (60), locomotive (59), collusive behavior (58), technology licensing (58), contestable markets (57), market pricing (56), industry mix (56), planes (56), gold mining (56), Taylorism (55), air transportation (54), mass transit (54), internet services (54), plastic (54), water utilities (53), garments (53), flat rate (52), wagering (52), nickel (49), Herfindahl index (49), antimonopoly (47), cost minimizing (46), price fixing (46), audit firm (45), warehousing (44), charcoal (44), boats (44), microcomputer (43), firm age (43), nationalisation (42), microelectronics (42), shopping center (41), spin (41), component pricing (41), meatpacking (40), tva (40), horizontal integration (39), post office (39), audiovisual (38), privatising (38), product durability (38), hydrocarbons (37), nonprice competition (37), hydrology (37), artisan (36), orchestra (35), robotics (35), transportation equipment (35), hotel management (34), deindustrialisation (33), armament (33), public monopoly (32), UAW (31), publicly provided goods (31), industry studies (30), firm profit (29), dancing (29), macroeconomic interdependence (28), lodging (28), collusive behaviour (28), passenger car (27), call center (27), profit maximising (26), electrical equipment (26), actuary (26), industry regulation (26), business survey data (26), planned obsolescence (25), cosmetics (25), product strategy (25), wood processing (25), privatise (24), merchant marine (24), farm machinery (24), building industry (24), bertrand model (24), government owned (24), amusement (23), atomic energy (23), nonprofit (23), metallurgy (23), private monopoly (22), agrochemical (22), oligopoly pricing (22), whiskey (21), personal services (21), internal organisation (20), community relations (20), glass industry (19), visual arts (19), shoes (19), lumber industry (19), cartelized (19), surface transportation (19), radio broadcasting (18), harbors (18), peak load (18), bituminous (17), ferrous (17), firm sales (16), communication equipment (16), tax exempt (16), Broadway (16), pornography (15), ballet (15), labor contracting (15), antibacterial (14), USPS (14), network based (14), motor fuel (13), water transportation (13), internet economics (13), pharmacological (13), railroading (13), appliance industry (12), railroad regulation (11), basing point (11), delivery service (10), legal service (10), newly privatised (10), repair services (10), firm objectives (10), gasification (10), administered price (9), harbours (9), organisational behaviour (9), brand preference (9), athlete (8), oligopoly market structure (8), HDTV (8), filmmaking (8), racetracks (7), adult entertainment (7), ceramics industry (7), nonprofit organisations (6), reprivatization (6), communication industries (6), restrictive agreements (6), silver mining (6), firm regulation (5), labour contracting (5), teleshopping (5), charitable organization (5), funeral services (5), newspaper publishing (5), full cost pricing (5), alar (5), beauty salon (4), government industry (4), pharmacology (4), DHL (4), anticartel (4), hydrocarbon fuels (4), post regulatory (3), licencing (3), business contract (3), cartelised (3), cost minimising (3), not for profit (3), buyer supplier (2), transactional relationships (2), distillery (2), beer production (2), radio equipment (1), barbers (1), security companies (1), post privatisation (1), newsagents (1), bertrand edgeworth (1), sectoral planning (1), water carriers (1), rate regulated (1), make buy (1), reprivatisation (1), building material (1).

**М «Деловое администрирование и экономика бизнеса; маркетинг; учет»:** Word (All), firms (50203), business (29588), employment (29478), firm (24497), incentives (12544), accounting (9434), training (7323), marketing (5803), compensation (5499), enterprise (4707), experiments (3960), diversification (3740), advertising (3521), inventory (2872), authority (2770), promotion (2739), entrepreneurship (2696), entrepreneurial (2386), turnover (2308), differentiation (2306), ethical (2005), task (1993), ethics (1956), depreciation (1885), team (1804), start (1683), brand (1580), audit (1539), tasks (1271), scheduling (1229), budgeting (1097), CEO (1096), hiring (1063), personnel (1053), supply chain (1048), outsourcing (1043), executives (884), fashion (827), entrepreneur (793), division of labor (774), auditing (614), job satisfaction (546), franchise (535), auditor (466), stock options (446), firing (431), executive compensation (415), social responsibility

(412), bundling (394), transfer pricing (393), morality (393), seniority (392), new firms (374), working conditions (366), division of labour (354), business administration (329), franchising (319), routing (282), goodwill (177), fringe benefits (176), employee participation (149), corporate culture (137), business economics (127), middlemen (122), labor turnover (113), morals (105), actuaries (104), temporary workers (92), CPA (90), tip (87), bookkeeping (82), part time (76), production management (76), work arrangements (70), amortization (69), marketability (68), outsource (67), labor management (67), capital gain (66), receivable (64), labour turnover (63), job design (63), historical cost (56), audit firm (45), spin (41), component pricing (41), actuary (26), product strategy (25), microentrepreneurs (25), labour management (22), record keeping (21), community relations (20), firm management (20), salespersons (19), telemarketing (17), debits (15), employment decision (15), labor contracting (15), on the job training (12), double entry (12), occupational training (12), manpower training (10), brand preference (9), worker empowerment (6), labour contracting (5), teleshopping (5), team formation (5), megamarketing (3), it management (3), advance purchase (3), seniority based (3), amortisation (2), internal transfer pricing (2), dissonance analysis (1), make buy (1).

**Н «Экономическая история»:** growth (75629), monetary (34424), government (33233), inflation (22810), technology (22732), services (19605), union (17924), debt (15388), regulation (13945), manufacturing (13381), monetary policy (13167), housing (12414), finance (12366), consumer (11409), agriculture (8123), migration (7688), war (7666), exchange rates (6470), conflict (5759), international trade (5001), democracy (4364), deregulation (3168), military (2993), defense (2280), depression (1912), islamic (1280), defence (1158), constitution (1117), monetary system (1058), reconstruction (1037), alliance (962), strike (946), GNP (943), deterrence (841), deflation (715), service sector (663), democratization (625), unionization (613), terrorism (601), manufactures (500), macroeconomy (496), unionized (492), unionism (472), slavery (337), imperialism (323), diplomacy (319), public economics (313), apprenticeship (295), abolition (278), revolutions (259), antebellum (256), national security (253), dictatorship (248), Dow (225), free banking (216), warfare (199), monetary regime (193), disarmament (169), emancipation (160), colonialism (151), historiography (146), colonization (129), rebellion (109), service industry (107), deregulating (88), soldiers (87), feudalism (83), unionised (82), democratisation (81), demobilization (59), national defense (59), unionisation (56), suffrage (40), monetary standard (36), armament (33), UAW (31), bicameral (30), slave labor (30), national defence (27), historicism (26), sweatshop (21), colonisation (18), syndicalism (17), urban history (16), demilitarization (12), robber barons (11), IWW (9), strikebreaking (8), comparative economic history (6), regional history (5), demilitarisation (5), abolitionism (5), demobilisation (3), slave labour (2), inflation growth (2).

**О «Экономическое развитие, технологические изменения и рост»:** policy (100918), trade (60040), income (45594), tax (38816), monetary (34424), health (26813), productivity (23640), distribution (23065), inflation (22810), regional (22178), education (19777), services (19605), institutions (18123), money (17912), poverty (16080), population (15577), debt (15388), environment (14988), innovation (14596), economic growth (13958), urban (13830), resources (13464), manufacturing (13381), property (13338), monetary policy (13167), rural (12386), finance (12366), taxes (10487), food (10287), poor (9947), R&D (9517), energy (9398), organization (9019), convergence (8802), planning (8676), taxation (8626), protection (8530), agriculture (8123), human capital (7801), migration (7688), exports (6383), aid (6231), health care (5772), international trade (5001), input (4608), sustainability (4396), democracy (4364), fertility (4289), property rights (4288), lending (4272), diffusion (4072), fiscal policy (3999), import (3852), foreign exchange (3679), stabilization (3664), farmers (3664), schooling (3558), assistance (3514), world bank (3346), income distribution (3193), redistribution (3052), skill (2961), technological change (2861), entrepreneurship (2696), labor markets (2397), industrialization (2052), IMF (2039), financial crisis (2037), farms (1828), emerging markets (1822), NAFTA (1808), foreign investment (1791), farming (1764), financial market (1713), aids (1606), factor productivity (1599), rice (1591), organisation (1568), mining (1464), intermediation (1402), industrial policy (1365), foreign trade (1349), islamic (1280), natural resource (1225), labour markets (1220), research and development (1158), village (1095), ASEAN (1091), human development (1045), nutrition (1035), agricultural policy (998), computable general equilibrium (988), agrarian (982), corn (979),

financial liberalization (956), new economy (948), human resources (931), intellectual property rights (892), urbanization (885), living standards (883), informal sector (866), embodied (818), healthcare (817), policy making (814), foreign aid (793), LDCs (768), erosion (756), protectionism (702), technological innovation (670), service sector (663), APEC (652), poverty alleviation (634), democratization (625), migrant (624), emigration (587), subsistence (566), loyalty (553), Mercosur (531), technology adoption (513), stabilisation (509), peasant (507), copyright (499), farmland (460), financial intermediaries (459), land reform (453), famine (447), protectionist (447), debt crisis (432), agricultural productivity (416), NGO (374), land tenure (364), cultivation (360), inventions (359), foreign debt (357), acreage (349), slavery (337), diet (331), drought (326), industrialisation (324), banking crisis (302), apartheid (300), hunger (300), automation (297), food production (283), underground economy (278), development bank (270), path dependence (264), institutionalization (260), macroeconomic stabilization (258), aboriginal (255), hazardous waste (255), caste (254), environmental Kuznets curve (249), intangible assets (249), import substitution (249), malnutrition (247), rainfall (221), digital divide (219), regional convergence (216), international debt (206), aggregate productivity (205), Washington consensus (205), urbanisation (204), dualism (193), brain drain (186), shadow prices (180), labor migration (179), absorptive capacity (178), land value (177), land markets (177), legal institutions (174), informal economy (173), education policy (172), shadow economy (167), deindustrialization (161), royalties (161), financial liberalisation (160), resource base (157), land ownership (149), sharecropping (146), control theory (142), capital flow (141), economic planning (130), cost benefit (130), labour migration (128), project evaluation (126), factor proportions (124), age distribution (116), financial intermediary (110), NIE (108), emigrants (108), service industry (107), urbanism (106), impoverishment (104), institution building (103), mechanization (102), authoritarianism (84), macro models (84), foreign assistance (82), democratisation (81), agrifood (79), capital productivity (78), peanut (77), infant industry (77), cropland (76), hidden economy (76), agricultural supply (75), education expenditures (66), household formation (61), nuts (60), agricultural employment (60), IBRD (54), primary products (53), transfer problem (52), desertification (51), IMF conditionality (51), USAID (50), appropriate technology (48), choice of technique (48), trade imbalance (48), social institution (47), debt rescheduling (46), monetary growth model (46), r and d (46), pandemic (45), landownership (44), patterns of development (43), verdoorn (42), NIC (41), technological choice (38), reswitching (38), economic institution (37), landholdings (37), hydrocarbons (37), import competing (37), macroeconomic stabilisation (36), robotics (35), deindustrialisation (33), urban rural (33), institutionalisation (31), skill biased (30), slave labor (30), rural urban (28), i o (28), international bank for reconstruction and development (26), eurosclerosis (25), resource booms (20), depressed areas (19), growth of developing countries (19), population migration (18), mechanisation (18), inventiveness (16), export led (16), IDB (16), J curve (15), resource poor (14), financial flow (13), resource rich (12), international transfer of technology (12), rural economics (11), multisector growth (11), formal sectors (11), debtor nation (10), creditor nation (9), saving investment (9), political institution (8), ricefields (7), one sector growth model (7), farm finance (6), agricultural demand (4), formal informal (4), export promoting (3), poverty growth (2), inflation growth (2), saving growth (2), slave labour (2), demographic economics (2), international transfer of knowledge (1), sectoral planning (1), Harrod Domar (1), determinants of development (1).

**Р «Экономические системы»:** growth (75629), trade (60040), capital (53930), labor (35749), welfare (26818), health (26813), education (19777), money (17912), poverty (16080), population (15577), environment (14988), property (13338), finance (12366), consumer (11409), energy (9398), planning (8676), spatial (8514), agriculture (8123), migration (7688), political economy (6931), privatization (6843), aid (6231), health care (5772), coordination (5081), international trade (5001), democracy (4364), property rights (4288), foreign exchange (3679), financial crisis (2037), foreign investment (1791), financial market (1713), foreign trade (1349), natural resource (1225), public finance (1183), privatisation (1168), cooperatives (1006), financial liberalization (956), economic conditions (950), healthcare (817), foreign aid (793), poverty alleviation (634), democratization (625), migrant (624), international finance (523), financial intermediaries (459), privatizing (335), international investment (331), imperialism (323), financial

risk (313), corporatism (285), expropriation (276), communal (269), national security (253), firm behavior (208), consumer protection (198), legal institutions (174), education policy (172), financial institution (167), deindustrialization (161), financial liberalisation (160), privatize (158), capitalist economies (155), affluence (155), capitalist economy (154), employee participation (149), political economic (144), fordism (134), economic planning (130), laissez faire (125), perestroika (123), well being (122), factor market (119), collectivism (114), financial intermediary (110), soft budget constraint (101), economic outlook (101), financial service (100), communes (99), fordist (92), poverty measurement (85), national income accounting (82), democratisation (81), welfare program (79), commune (72), firm behaviour (64), taylorism (55), fascism (54), collectivization (51), countervailing power (51), structuralism (44), general welfare (43), household economics (38), privatising (38), deindustrialisation (33), economic imperialism (28), privatise (24), government owned (24), eurocentric (22), affluent society (20), socialist planning (20), population migration (18), collective farm (17), futurists (15), precapitalist (14), welfare programme (14), financial flow (13), capitalist enterprise (13), collectivisation (12), illegal behavior (12), producer cooperative (8), legal economic (6), socialist enterprises (5), post industrial (4), post fordist (4), capitalist performance (3), socialist foreign trade (3), illegal behaviour (3), not for profit (3), poverty growth (2), post socialism (1), capitalist political economy (1).

**Q «Экономика сельского хозяйства и природных ресурсов; экологическая экономика и экономика окружающей среды»:** trade (60040), production (33862), prices (33235), productivity (23640), distribution (23065), pricing (15569), credit (14662), regulation (13945), finance (12366), land (11439), food (10287), endogenous (9624), protection (8530), water (7848), exports (6383), forecasting (6347), modeling (6323), marketing (5803), pollution (5747), international trade (5001), agreement (4925), forecast (4589), subsidies (4454), sustainability (4396), emissions (4116), modelling (3931), climate (3891), import (3852), hedging (3038), forest (2912), ecological (2709), patent (2574), endogenous growth (2349), commodities (2182), tenure (2043), farms (1828), abatement (1796), noise (1625), rice (1591), willingness to pay (1545), hedonic (1531), land use (1514), contingent valuation (1479), dairy (1321), cotton (1305), fisheries (1252), irrigation (1238), nuclear (1175), research and development (1158), livestock (1147), fishery (1084), natural gas (1074), cap (1049), cooperatives (1006), agricultural policy (998), fishing (998), corn (979), food security (962), sugar (946), milk (944), meat (935), cattle (920), forestry (882), ecology (868), recycling (860), trade agreements (853), petroleum (810), CO2 (800), ecosystem (791), commons (777), erosion (756), firm level (739), warming (731), deforestation (717), environmental regulation (685), recreation (682), technological innovation (670), global warming (649), groundwater (631), pollution control (574), agricultural trade (572), agricultural research (540), peasant (507), depletion (502), maritime (499), fertilizer (490), aquaculture (473), pesticide (468), crude oil (460), farmland (460), land reform (453), parks (452), wood (448), salmon (441), polluting (439), agricultural productivity (416), soybean (390), energy efficiency (378), opec (378), land tenure (364), agricultural land (359), price setting (357), food aid (350), acreage (349), drought (326), fruit (316), wetlands (306), environmental impact (288), food production (283), waste management (273), cereal (272), solid waste (268), structural reform (268), ozone (260), epa (257), poultry (256), hazardous waste (255), pollutant (253), Environmental Kuznets Curve (249), tenant (245), vegetables (232), food processing (225), rainfall (221), resettlement (216), commodity futures (214), firm behavior (208), environmental tax (207), SO2 (206), tenancy (205), electric utilities (204), food policy (203), atmospheric (202), clean air (200), hoarding (194), waste disposal (193), soils (190), Dutch disease (185), energy supply (178), on farm (178), land markets (177), land value (177), energy conservation (174), seafood (174), health effects (172), biodiversity conservation (169), farm household (164), logging (157), resource base (157), high tech (156), lumber (153), sustainable agriculture (152), USDA (151), agroforestry (150), ethanol (149), land ownership (149), sharecropping (146), rivers (144), tillage (144), agricultural commodities (142), energy sources (135), tradable permits (132), extractive (128), agricultural commodity (125), buffer stock (117), dams (116), national parks (110), NOx (108), agricultural credit (104), sugarcane (99), command and control (97), hogs (95), environmental accounting (89), reef (88), extension services (86), food price (84), fertiliser (83), reclamation (83), bioeconomics (82), agrifood (79), polluter (79), farm credit (78), peanut (77), agricultural marketing (76), cropland (76), agricultural supply

(75), woodland (73), reforestation (71), hydrological (70), fertilizer use (65), firm behaviour (64), hydropower (64), agroindustrial (61), agricultural employment (60), nuts (60), oceans (60), rainforest (60), benefit cost (59), sewage (57), natural disaster (54), desertification (51), weed control (51), landownership (44), international environmental policy (40), meatpacking (40), patentability (39), environmental equity (37), hydrocarbons (37), hydrology (37), landholdings (37), flood control (35), agricultural cooperative (30), industry studies (30), electric energy (28), overfishing (28), commodity agreements (27), sox (24), agrochemical (22), chlorofluorocarbons (22), steam power (22), resource booms (20), lumber industry (19), collective farm (17), animal disease (16), agricultural management (15), fertiliser use (15), j curve (15), farm enterprise (14), land reclamation (13), gasification (10), redwood (10), ecotax (9), farm subsidy (8), farmer cooperatives (8), producer cooperative (8), ranchland (8), environmental subsidy (7), ricefields (7), farm finance (6), alar (5), ecotaxation (5), farm mechanization (5), agricultural demand (4), agricultural extension service (4), BLM (4), environmental modeling (4), plant disease (4), electricity conservation (3), feed processing (3), ozone depleting (3), parity prices (3), cereals marketing (2), environmental health and safety (2), environmental subsidies (2), farm firms (2), natural resource conflict (2), recreational effects (2), silkworm (2), agribusiness (1), farm mechanisation (1).

**Р «Экономика города, села и регионов»:** policy (100918), population (15577), inequality (13767), housing (12414), rural (12386), finance (12366), regions (9657), planning (8676), migration (7688), forecasting (6347), modeling (6323), infrastructure (5858), cities (5751), simulation (5731), forecast (4589), building (4577), subsidies (4454), diffusion (4072), modelling (3931), safety (3668), residential (2923), census (2909), mortgage (2657), geography (2528), traffic (2427), congestion (1568), hedonic (1531), land use (1514), regional development (1282), capital stock (1133), computable general equilibrium (988), sports (930), urbanization (885), policy making (814), public expenditure (786), economic geography (779), public capital (769), logistics (761), property tax (644), accident (643), homes (630), migrant (624), homeownership (598), airport (594), suburban (559), ports (545), arena (516), public housing (467), zoning (407), industrial districts (397), regional growth (366), sales tax (328), homeowners (322), parking (320), redevelopment (291), home ownership (289), urban growth (281), waste management (273), sprawl (272), homeless (272), tolls (255), hazardous waste (255), tenant (245), spatial competition (225), resettlement (216), regional convergence (216), highways (206), tenancy (205), urbanisation (204), refinancing (203), mortgage market (198), city size (192), industrial location (185), labor migration (179), land markets (177), land value (177), residential location (176), refugee (162), spatial analysis (162), inner city (161), land ownership (149), rent control (145), apartment (141), regional data (135), spatial autocorrelation (128), turnpike (128), labour migration (128), econometric modeling (126), renting (122), suburbanization (113), employment data (109), urbanism (106), migrant workers (106), firm location (95), interregional trade (92), lot sizing (84), stadiums (83), input output (76), slums (69), regional labour markets (65), ghetto (61), land tax (58), local government finance (58), regional labor markets (56), employment determination (49), suburb (45), production location (43), verdoorn (42), shopping center (41), landholdings (37), regional population (35), urban rural (33), eminent domain (30), regional housing (29), suburbanisation (29), regional migration (28), rural urban (28), regional welfare (28), transportation modes (20), depressed areas (19), population migration (18), harbors (18), Zipf (15), temporal analysis (13), shift share (12), cooperative housing (11), rural economics (11), local authority property management (10), harbours (9), homebuilding (8), public facility location (7), regional land use (5), neighborhood association (4), private neighbourhoods (3), Condos (3), tollroad (1), private neighborhoods (1).

**З «Другие специальные темы»:** social capital (2055), tradition (1531), art (1448), religion (998), customs (891), reciprocity (802), social networks (503), social norms (467), economic sociology (244), social economics (183), Baumol (151), churches (137), performing arts (104), artist (96), Christianity (67), Confucianism (49), artisan (36), cultural traits (18), social traits (2).