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THESAURUS MODEL OF SCIENTIFIC AND TECHNICAL ACTIVITY OF PEOPLE IN THE ENGLISH TEXT MEDIA

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Abstract. The paper deals with the detailed linguistic compilation of one of the most important sphere of a person life – his professional activity. The thesaurus takes into account the semantic area of objects, actions and properties.

Keywords: sample, applied linguistics, analysis, semantic sign.

Introduction.

The model of the thesaurus of scientific and technical activity of people in the English textual media is focused on the semantics of the sublanguage, as implemented in the analyzed texts, and the linguistic product we have obtained on the basis of phraseological units describes the semantic space of OBJECTIVES, ACTIONS and PROPERTIES.

Goals and tasks of the research.

The basic goal is to form the thesaurus model of scientific and technical activity of specialists in the English text media.

Results and discussion.

The thesaurus semantic space we have designed is a linguistic representation of part of the hierarchical architecture of the entire thesaurus grid as a linguistic product

for its further coding not by linguistic but by formalized means [1, 2]. Therefore, it lacks both all phraseological units of the text corpus and the system of coding semantic features of phraseological units, which is not the essence of linguistic analysis, but should be subject to the activities of specialists in applied and mathematical linguistics.

Semantic features of objects

1. specific- building blocks; electrochemical byproducts; drawing boards; a laptop computer;

1.1. body- an external magnet; microwave transmitters; infrared telescope; fusion reactors; physical review letters; etc.

1.2. non-body - European space agency; a crystalline structure; far-infrared wavelengths; of the background light field etc. ⇒

⇒1.2.1. place - market place; Content-Description header field; a dozen different places; the starter drive; reference point etc.

1.2.2 administrative and geographical object - HARVARD PRINCETON; HARVARD-SMITHSONIAN center; the CERN council etc.

1.3. discrete - electricity-generating plants; the copper electrode; already-cold metal electrodes; very distant objects etc.

1.4. indiscrete - two-level electromagnetic field; the central electron density; abstract information; an internal state; etc.

1.5. artifact - narrow-frequency-band dye lasers; deposited gold film; insulating membrane; superconducting materials; etc.

1.6. non-artifact - mineral oil; magnetic flux; x-ray sources; the ozone hole; solar wind particles; ultrasound waves; etc.

1.7. living - full professors; science writers; graduate students; particle physicists; full-time physicist; Yale team; etc.

1.8. inanimate - gigantic celestial maser; a u-shaped fiber; liquid crystals; hologram material; a silicon device; bulky apparatus;

1.9. separate person - force chairman; foreign author; galactic center astronomer; the German physicist; article by a lone member; etc.

1.10. a group of persons - GSI GENOA collaboration; geophysical union; american physical society; a US-GERMAN team; the gamma ray observatory; a santa barbara group; etc.

2. non-specific - reactor concept; a dramatic increase; major drawbacks; a slight energy shift; a spurious effect etc. ⇒

⇒ 2.1. process - precision assuming; experimental measurements; jet production; computer simulations; possible explanations etc.

2.2. non-process - microwave background; blue light; vacuum environment; general relativity; magneto-optic trap etc. ⇒

⇒2.2.1. sign - short-term temperature; a narrow cavity; one inch height; ten dimensions; incoming angle; blue wavelengths;

2.2.2. non-sign - perturbing influences; inner direction; clear zone; plasma instabilities; quantum gravity; acoustic thermometry;

- ⇒2.2.2.1. state - general readership; Intense radiation; optical interference; internal state; a single macroscopic quantum state;
- 2.2.2.2. relations - intrinsic luminosity; inward forming; superstring framework; tunnel junction; ntineutrino interactions; population inversion; nearing completion;
- 2.2.2.3. non-relations - an underwater station; University Of Southern California; infrared space observatory; ⇒
 - ⇒2.2.2.3.1. institution- the Harvard-Smithsonian center; The American Physical Society; The Acoustical Society Of America;
 - 2.2.2.3.2. non-institution - AIP public information; membership meetings journals; physical review letters; multi-billion-dollar flat-panel-display industry; ⇒
 - ⇒ 2.2.2.3.2.1. a field of industry - aerospace industry; automotive electronics industry; Symantec Corporation;
 - 2.2.2.3.2.2. non-field of industry - launch price; low system cost; typical cost; special value; real value; computational expenses;
 - 2.2.2.3.2.3. financial and economic category - lagging economy; short term financial gain; X2.5million management buy-out;
 - 2.2.2.3.2.4. non-financial and economic category - world's foremost rapid-publication physics journal; the "cost-effectiveness" of physics journals; numerous articles on kinetics; 3 March issue of Science; upcoming paper;
 - 2.2.2.3.2.5. form of information - Physical Review Letters
 - 2.2.2.3.2.6. non-form of information- Science magazine's editorial opinion; non-binding resolution;
 - 2.2.2.3.2.7. form of mental activity - widespread misconception; Plessey's intention; our original assumptions;
 - 2.2.2.3.2.8. document - 105-page document; PHYSICS NEWS UPDATE; February's Research Notes; budget bill;
 - 2.2.2.3.3. form of organization, institution - American Geophysical Union; the Chicago School Board; THE CERN COUNCIL;
 - 2.2.2.3.4. enterprise - Ferranti Gem Mill semiconductor plant; Detroit factory; private-sector print shop;
 - 2.2.2.3.5. institution - the Eureka joint industry organization;
- 2.2.3. property - electromagnetic wave propagation; reversible polymerisation; electric traction; table look-up interpolation; a single-cycle (100ns) multiplication ;
- 2.2.4. non-property - each sample period; a tight schedule;
 - ⇒2.2.4.1. parameter - component parameters; thermal effects, distortion, transient response; gain, input impedance and output impedance; reservoir levels; long-term monitoring;
 - 2.2.4.2. quantitative parameter - physical quantity; half cycle; large quantity;the total particle number; good quantum numbers;
 - 2.2.4.3. non-quantitative parameter - this month; light years;
 - 2.2.4.4. equality - the hybrid equivalent; accuracy and channel balance; volt-second product balance; the risk equivalent;
 - 2.2.4.5. inequality - a tiny minority;the satisfied inequality;

2.2.4.6. time parameter - the transit time; design time;

2.2.5. ability - axial force; high-speed bidirectional power;

line strength; high strength capability; explosion energy;

2.2.6. inability - numerical instability; system failure;

2.2.7. possibility - performance potential; device capability;

2.2.8. impossibility - compact disc record impossibility;

2.3. science and technical process - high energy proton-antiproton collision; high pressure; low velocity; high uncertainty etc.

2.4. scientific and engineering operation - synchrotron radiation; high-energy state location; high-resolution laser spectroscopy etc.

2.5. inscientific and engineering operation - last week's astronomy meeting; an optical illusion; longterm effort; violent interactions; a major pursuit; the article acceptance etc.

2.6. technological operation - separate measurements; the rubidium experiment; pattern formation; production steps etc.

Conclusions.

So the way of determining the semantic features of a phraseological unit-OBJECT can be traced using the logical-semantic process of organizing linguistic and informational data, that is, mental operations directed to the "root" of the branched thesaurus Semantic Features of OBJECTS, which, in turn, is a branch of the entire graph tree reflecting the semantics of the subject area:

2.2.2.3.2.8. document105-page document $\Leftarrow$ 2.2.2.3.2. non-institute $\Leftarrow$ 2.2.2.3. non-relations $\Leftarrow$ 2.2.2. non-sign $\Leftarrow$ 2.2. non-process $\Leftarrow$ 2. Non-specific object

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