

Normdaten-Mappings in Wikidata

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Jakob Voß

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- ▶ Knowledge Base für Wikipedia u.A.
- ▶ Offene Bearbeitung
- ▶ Open Data (APIs & Downloads)

physics (Q413)

physical | physic

study of matter and its motion, along with related concepts such as energy and force

subclass of: every physics is also a(n) physical science

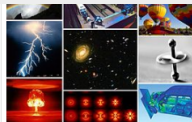
instance of: physics is a(n) branch of science

Classification	
Direct superclasses	physical science 0
Direct subclasses	With instances 6 With subclasses 8 All 19
	branch of physics 13 , applied physics 10 , mechanics 5 , electromagnetism 2 , continuum physics 2 , cosmology 1
All subclasses	159

Statements	
Own statements	From related entities
Universal Decimal Classification	53
permanent duplicated item	Q22828391
described by source	Otto's encyclopedia (largest printed encyclopedia written in the Czech language) stated in : Q23835493 (article in Ottos encyclopedia)
catalog	Wikipedia:List of 1000 articles each Wikipedia should have (list of articles all Wikipedias should have)

Media	
Commons gallery	Physics
Commons category	Physics
image	CollageFisica.jpg ★

Wikimedia Categories and Portals	
Own statements	From related entities
topic's main Wikimedia portal	Portal:Physics (Wikimedia portal)
topic's main category	Category:Physics (Wikimedia category)
Commons category	Physics



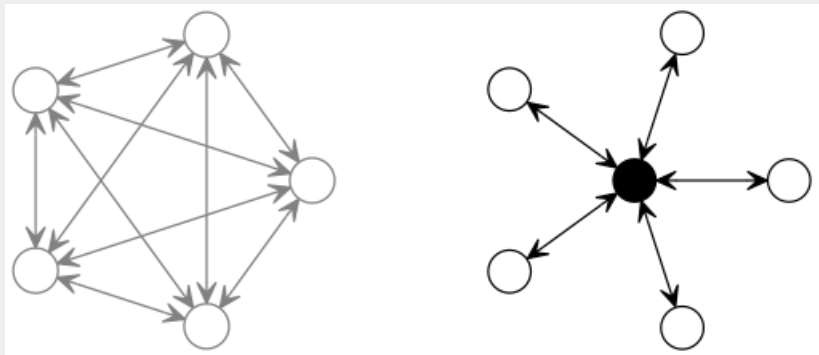
Links	
Wikidata page	
Wikipedia article	
Reasonator	

Identifiers	
TED topic ID	physics
PSH ID	2910
BNCF Thesaurus	4964
NYT topic ID	subject/physics
Dewey Decimal Classification	530
Regensburg Classification	U
OmegaWiki Defined Meaning	2798
AAT ID	300054559
Guardian topic ID	science/physics
NDLAuth ID	00561121
Encyclopædia Britannica Online ID	scienc...cience
GND ID	4045956-1
Freebase ID	/m/05qjt
LCAuth ID	sh85101653
BnF ID	11933127h
Quora topic ID	Physics

Normdaten-Identifizierung in Wikidata

- ▶ 3426 Wikidata-Properties insgesamt
- ▶ 1758 Datentyp external identifier
- ▶ 1555 **Properties for authority control**
- ▶ 200 Properties mit explizit entsprechendem KOS
 - ▶ 60 davon in BARTOC eingetragen, z.B.
GND (Q36578)
Wikidata-Eigenschaft (P1687)
GND-ID (P227)
- ▶ 10816 KOS insgesamt

Wikidata als Linking Hub



Eintragung von Mappings in Wikidata

- ▶ Viele freiwillige Wikidata-Autoren
- ▶ Aus vorhandenen Konkordanzen

⇒ *Siehe Vorträge auf DINI-AG KIM Workshop und ELAG 2017*

Bereitstellung von Wikidata-Mappings

<http://coli-conc.gbv.de/concordances/wikidata/>

- ▶ Tägliches Harvesting aus Wikidata
- ▶ Bereitstellung als CSV, BEACON & JSKOS
- ▶ Berechnung der Überlappungen = indirekte Mappings
- ▶ Logfiles

Aktueller Stand (8. Mai 2017)

- ▶ 46 KOS (plus 14 ohne Download)
- ▶ 2,3 Millionen Mappings mit Wikidata
 - ▶ 1 Millionen VIAF, 470.000 GND ...
 - ▶ 4270 DDC, 103 RVK ...
 - ▶ ...
- ▶ 1 Millionen indirekte Mappings über Wikidata
 - ▶ 434.748 VIAF ↔ GND
 - ▶ 6522 DDC ↔ ...
 - ▶ 181 RVK ↔ ...
 - ▶ 52 DDC ↔ RVK
 - ▶ ...

Nächste Schritte

- ▶ Bereitstellung in Mapping-Datenbank zur Abfrage in JSKOS
- ▶ Weitere Auswertung der Mappings aus Wikidata
- ▶ Weitere Anreicherung von Wikidata
 - ▶ zusätzliche Mappings (z.B. VIAF ↔ GND, DDC ↔ RVK ...)
 - ▶ zusätzliche Properties (z.B. STW, BK...)

Weitere Informationen

- ▶ Neubert, Joachim; Voß, Jakob: Wikidata as authority linking hub. <https://doi.org/10.5281/zenodo.572608> (Vortragsfolien)
- ▶ Voß, Jakob: Classification of Knowledge Organization Systems with Wikidata. In: Proceedings of the 15th European Networked Knowledge Organization Systems Workshop (NKOS 2016), p 15-22. CEUR Workshop Proceedings, Volume 1676.
<http://ceur-ws.org/Vol-1676/paper2.pdf>
- ▶ <https://github.com/gbv/cocoda-mappings> (Quellcode)
- ▶ <https://wdmapper.readthedocs.io/> (Tool)