



17th International ISKO Conference

Taiga penguins

Expressing existence and fictionality in a
phenomenon-based classification

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Phenomenon-based classification

- ~~"astronomy"~~ "stars"
- ~~"economics"~~ "small enterprises"
- ~~"philosophy"~~ "being"

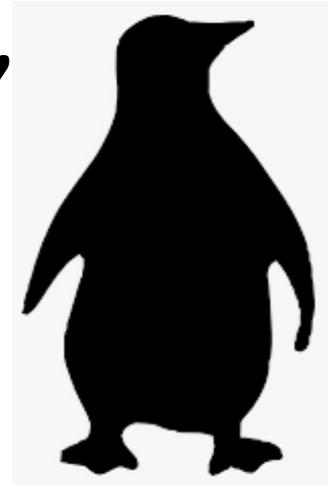
- Brown's Subject Classification, 1906
- CRG NATO classification, 1969
- **Integrative Levels Classification (ILC)**
- Basic Concepts Classification (BCC)

Metaphysical / fictional entities

- ~~"astronomy"~~ "stars"
 - ~~"economics"~~ "small enterprises"
 - ~~"philosophy"~~ "being" ??
-
- How should they be represented
 - in schedules of phenomena?!

Metaphysical/fictional entities

- abstract: “being”
- noumena: “penguins in themselves”
- non-existing: “taiga penguins”
- controversial: “demons”
- fictional: “penguin super heroes”
- ...



ILC deictic classes

- *A* “reality; being; absolute; Tao; ...”
- *V* “the present; here and now”
- *X* “something”
- *Y* “the existence; actual”
- *a-y* phenomena

ILC phenomena classes

- *a-y* phenomena
 - *e* “atoms”
 - *m* “organisms”
 - *p* “consciousness”
 - *q* “artifacts”
 - *s* “communities”
 - *x* “creative arts”
 - ...

Faceted combinations

Journal of the Association for Information Science and Technology / Volume 72, Issue 5 / p. 570-582

RESEARCH ARTICLE

Orthogonality, dependency, and music: An exploration of the relationships between music facets

Deborah Lee ✉, Lyn Robinson, David Bawden

First published: 06 November 2020

<https://doi.org/10.1002/asi.24426>

- Some facets are not fully orthogonal:
- instrument: “solo violin” x
form/genre: “symphony” =
- “symphonies, for solo violin” !!

Faceted combinations

- Also happening in other domains, e.g. DDC valid notation:
- *598.47* “penguins” x *-1737* “in taiga” = *598.471737* “taiga penguins” !!
- BC2:
FRONIVU “pine flowers” !!



Faceted combinations

- Usually have no literary warrant:
- no books on taiga penguins...
- ...although possible in fiction:



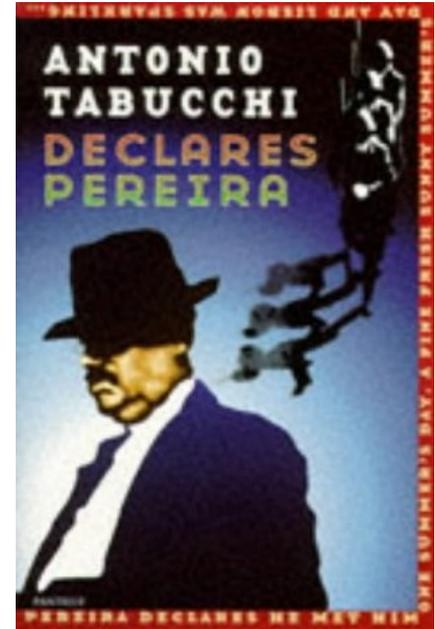
Fictional entities

- Dr. Pereira: literary character, a journalist living under the Portuguese dictatorship in 1938
- “persons, Portuguese, dealing with newspapers...”

“[i]f we ignore fiction as informative and dismiss such information as mere entertainment, we ignore behavioral realities, that is, what people do, rather than what a systems-based, idealized model would predict” (Broussard and Doty 2016)

Fictional entities

- Very meaningful source
- on Portuguese dictatorship
- Fictional entities do exist!
- Sometimes, the border
- between fiction and reality is not clear...



Fictional entities



- Pegasus
- “horses, with wings”
- (without deictic -/ actual /)

Controversial entities

- “angels”, “demons”...
 - - class *ww* “religious beliefs”
(as a mentefact) ?
 - new hypothetical class “divine entities”?
- - metaphysical class *A* “being” ?
But no subdivisions by definition...

Provisional conclusions

- Even phenomenon-based classifications are based on assumed perspectives
- (ILC: realist, scientifically oriented, pluralist)
- Spiritual entities may be represented as metaphysical or as cultural (as in BC2)
- Metaphysical entities can be represented by ILC deictics, perhaps more detailed ones
- Mathematical entities lay somewhere between “noumena” and “phenomena”
- Faceted combinations may represent non-existent entities (without suffix “-actual”)



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Thank you

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