Normalizing citations

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Belgrade, OACI, November 2005
Goal

• identifies identical citations which occur in different formats, in order to:

  • evaluate different types of entities
    » authors (researchers)
    » institutions (universities, faculties)
    » journals, publishers
  
  • linking
    » inbound
    » outbound
    » forward

• locating papers which share one or more references
• completing ....
Problems

- widely different conventions
  - Vancouver
  - Blue Book
  - APA
  - in-text, end-text, footnote...

- much variance in citation style

- unusual abbreviations
Analysis of depth percepts induced by mobile two-dimensional stimuli

In two experiments the depth effect induced by motion of two dots was investigated by estimations of length and angle of inclination of the perceived rod that moves in 3-D space. A third control experiment assessed the corresponding 2-D percepts with static stimuli. In Experiment 1 the dots moved on straight paths, and in Experiment 2 they moved on elliptical paths. The results were compared with predictions from Johannsson's frontal-parallel principle. The principle was confirmed for dots moving on convergent paths, the results were inconclusive for straight paths, and the principle was disconfirmed for divergent paths.

Keywords: depth, dots-configurations, frontal-parallel principle, motion


Software - svedi

- making "interaction" with the data easier and/or more efficient

- pre-processing:
  - "cleaning" author name (first and last name, initials)
  - expansion of common abbreviations (conf., Proc.)
  - expansion of journal title and assigning ISSN (existing database)
  - identifies language of citation (spell-check)
  - calculate "similarity" of citations
Software - svedi

- more than 550,000 citations
- MS Access, Visual Basic (we have to change this)
- very easy navigation
- source of citation is always available
- links between citing and cited documents
- additional tools:
  - journal list
  - research staff registers
  - list of local publishers