



# Einladung

zum VORTRAG von

**Herrn Prof. Jean-Paul Doignon**

<https://www.ulb.ac.be/rech/inventaire/chercheurs/8/CH3538.html>,

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Université Libre de Bruxelles – Department of Mathematics

am Dienstag, 13.05.2014 um 14:00 Uhr

im Seminarraum P22 06 062, in der Inffeldgasse 13, 6. Stock

zum Thema

## The Query Procedure

The original query procedure produces a knowledge space, that is a collection of knowledge states which is stable under union (the knowledge states are subsets of a fixed domain, and they represent potential states of knowledge with respect to the domain). In many applications it is important that the collection of knowledge states be also well-graded, that is it forms a learning space. Eppstein, Falmagne and Uzun (2009) were the first to adapt the query procedure so that it produces a learning space. Then Falmagne and Doignon (2011) described a more efficient way of adapting the query procedure. By taking advantage of some properties of the family of learning spaces on a domain (in the terminology of antimatroids, see Edelman and Jamison, 1985; Caspard et Monjardet, 2004), we design a third adaptation of the query procedure. The latter adaptation seems to be both the most efficient one and the most illuminating one.

Mit der Bitte um Weiterleitung und den besten Grüßen, Dietrich Albert