



Seminar 2021/2022

Hypermaps and their classification

Domenico Catalano, CIDMA, University of Aveiro

domenico@ua.pt

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Maps are embeddings of graphs on compact surfaces generalized by hypermaps, replacing graphs by hypergraphs. There are three main approaches to investigate and partially classify hypermaps. Namely by

studying hypermaps

- on the same surface or class of surfaces,
- with the same hypergraph or class of hypergraphs,
- with the same group or class of groups of symmetries.

After an introduction to the topic, I will give an idea how classifications of hypermaps can be achieved in each of the above three main ways.