## Generalized fractals, with examples from valuation theory

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The talk is based on a joint work with Jan Dobrowolski (Wrocław)

## Session: 9. General forms of self-similarity in algebra and topology

By use of iterated function systems, some valuation rings and other parts of certain valued fields can be seen as fractals, and these valued fields themselves can then be seen as "locally fractal". Using those examples, we will discuss in which ways the classical notion of an attractor aof an iterated function system could possibly be generalized to cover more general settings. Further, we ask the question whether "non-archimedean behavior" can can in some way be captured in the concept of (generalized) fractals.