ZURICH GRADUATE COLLOQUIUM

Wednesdays, 13-15 (FIM Tea to follow)

Hermann Weyl Zimmer (HG G43, ETH Zentrum)

Speaker: **Chantal Buteau**

Title: **A Model of Motivic Analysis of Music**

Date: Wednesday, June 2

After having briefly introduced what motivic analysis of music is, we construct a topological structure on the set of all motives (sequences of say 3 to 10 notes) of a music score. These topological spaces model the musicological concepts of melodic contour, imitation (gestalt), and similarity of motives. The visualization of the obtained T_0-topological space is obtained by means of the graph of a weight function.

We explicitely exhibit the motivic spaces of the *"Kunst der Fugue"* from Bach in order to exemplify our model.

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