Categorical tools

Masaryk University - Spring 2017

Dear students,

we are a postdoc (Fosco) and a PhD student (Ivan) here in MU; we are planning to start a series of lectures on two topics we love:

- **Accessible and presentable** categories;
- **Homotopical algebra** and abstract homotopy theory.

Wanna be fashionable, and know some cutting-edge Mathematics and category theory? Drop us a line!

You should be familiar with some rudiments of category theory, but we are trying to design the course in order to keep its prerequisites to a reasonable minimum. Of course, everyone willing to collaborate is welcome.

We meet every FOO at BAR pm.

A few other informations:

📅 : Here's a tentative schedule of the first meetings:

- **6th April**: Ivan: Generalities on Locally Presentable Categories. Fosco: Categorical Preliminaries and generalities on model categories.
- **11th April**: Ivan: Representation Theorem. Fosco: Model Structure on Simplicial Sets and Spaces: a Quillen Equivalence.
- **18th April**: Ivan: Properties of Locally Presentable Categories. Fosco: Homotopy Limits.

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⌥ : There's a github repo where we host material and relevant infos:

https://github.com/tetrapharmakon/progetti-MUNI

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Fosco and Ivan,
Brno, March 28, 2017