

Barbara Fantechi

Full Professor, Sissa, Trieste (Italy)

Research areas

- (1) 1987 - 89 (Undergrad, beg. grad): classical Proj geom
- (2) 1989 - present (with long breaks): infinitesimal deformation theory. Thesis topic.
- (3) 1994 - present (- $\approx \approx$) enumerative geometry & moduli spaces.

Techniques

- (1) Bertini thm (didn't know: schemes, cohomology!)
- (2) Morphisms of def. functors; cohomology with supports; Ext and Leray spectral sequences; abelian covers; currently learning DGLAs.
- (3) Chern and Segre classes; intersection theory; basic derived categories; algebraic stacks.

Now research

Lots of graduate students. Some administration.
Three teenagers.