

**Fitting ideals and related problems**

**Aron Simis**

Departamento de Matematica

Centro de Ciencias Exatas

Universidade Federal de Pernambuco

aron@dmate.ufpe.br

The ubiquity of Fitting ideals both in commutative algebra and algebraic geometry is beyond doubt. In this talk I intend to bring up a few more recent problems where Fitting ideals once more work as the right tool. In particular I will mention the "Fitting ideal/analytic spread problem" whose general solution would have some interesting impact.