

**Prof. Mikhail Zaidenberg**

Institute Fourier, Grenoble, France

Scrolls and hyperbolicity

This is a survey on the present state of art in complex hyperbolic analysis. After a brief introduction we will highlight a remarkable recent progress in the classical conjectures of Kobayashi and Green-Griffiths-Lang, and as well in construction of hyperbolic projective hypersurfaces of small degrees. A special accent will be done on the degeneration method developed jointly with Bernie Shiffman (Johns Hopkins University) and Ciro Ciliberto (Universita degli Studi di Roma “Tor Vergata” ). Our preferable degeneration is to scrolls i.e. to (singular in our case) hypersurfaces ruled in lines.