INSTITUTUL DE MATEMATICA "SIMION STOILOW" AL ACADEMIEI ROMANE

**Conferința lunară**

*Small energy Ginzburg-Landau minimizers in $\mathbf{R}^3$*

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Conferința va avea loc **Miercuri 7 martie 2018, ora 13:00**
la sediul **IMAR**, amfiteatrul "Miron Nicolescu", parter

**Abstract:** We prove that a local minimizer of the Ginzburg-Landau energy in $\mathbf{R}^3$ satisfying the condition $\liminf_{R\to\infty} E(u; B_R) < 2\pi R \ln R$ must be constant. The main tool is a new sharp $\eta$-ellipticity result for minimizers in dimension three that might be of independent interest. This is a joint work with Etienne Sandier (Paris 12).