



Mathematics and CS Seminar

On the local circular law for non-Hermitian random matrices and products of non-Hermitian matrices

Alexander Tikhomirov (Komi SC of Ural Division of RAS, Russia)

Host: Laszlo Erdős

We prove a local version of the circular law for non-hermitian random matrices and products of independent non-Hermitian matrices under weak moment conditions. Our results generalise recent results of P. Bourgade, H.-T. Yau, J. Yin and Y. Nemish. We apply Stein's method and some new ideas which help to simplify the proof of the local laws. The talk will be based on joint results with F. Goetze and A. Naumov.

Thursday, March 30, 2017 04:00pm - 04:45pm

IST Austria Campus Seminar room Big Ground floor / Office Bldg West (I21.EG.101)



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