



**Speaker:** Liviu Nicolaescu  
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Thursday, September 5, 2013  
2:00 PM  
258 Hurley Hall

**Title:** Fluctuations of the number of critical points of random functions on tori

**Abstract:**

I will discuss the number  $N_T$  of critical points of certain random Fourier series depending on  $m$   $T$ -periodic variables. I will show that when  $T \rightarrow \infty$  the random variable  $T^{-m} N_T$  converges almost surely to a certain explicit constant.