



Αθήνα, 15/5/2018

ΔΙΑΔΕΞΗ

Ομιλητής: Victor Isakov

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Τίτλος: «Finding volatility of financial markets from option prices »

Περίληψη: We discuss a (analytical and numerical) method of finding diffusion (volatility) coefficient of the Black-Scholes equation from market data given for two expire times. We discuss the general problem and propose a linearization around constant volatility, which can be found from the Black-Scholes formula. We assume that the correction term in the volatility linearly depends on time, derive a system of one-dimensional integral equations with explicit kernels, obtain uniqueness results and use numerical solution of this system to find correction terms and to compare results with real market data.

Η ομιλία θα δοθεί την **Παρασκευή 18 Μαΐου 2018** και **ώρα 13:05**, στην Αίθουσα Σεμιναρίων του Τομέα Μαθηματικών, κτ. Ε΄, 2ος όροφος.

Η Επιτροπή Σεμιναρίων