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A CLT concerning critical points of random functions on a Euclidean space. (English)

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Summary: We prove a central limit theorem concerning the number of critical points in large cubes of an isotropic Gaussian random function on a Euclidean space.

MSC:

- 60F05 Central limit and other weak theorems
- 60B20 Random matrices (probabilistic aspects)
- 60D05 Geometric probability and stochastic geometry
- 60G15 Gaussian processes

Cited in 3 Documents

Keywords:

Gaussian random functions; critical points; Wiener chaos; Gaussian random matrices; central limit theorem

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