Séminaire de physique statistique

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Lundi 09/11/2020, 14:00-15:00

(voir dans annonce)

When random walkers help solving intriguing integrals

Emmanuel Trizac

LTPMS

We will discuss the properties of a family of integrals involving the cardinal sine function, first studied by Borwein & Borwein. The aim is to provide a physicist's perspective onto a curious change of behaviour occurring within this family, noticed when benchmarking computer algebra packages, and initially attributed to a bug. A number of non-trivial generalizations will be obtained in a calculation-free way.

Work in collaboration with Satya Majumdar

(On-Line Seminar, link sent by email. For inquiries: marco.schiro@ipht.fr)