

Statistical Complexity in Traveling Densities

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(Submitted on 28 Dec 2009)

In this work, we analyze the behavior of statistical complexity in several systems where two identical densities that travel in opposite direction cross each other. The crossing between two Gaussian, rectangular and triangular densities is studied in detail. For these three cases, the shape of the total density presenting an extreme value in complexity is found.

Comments: 4 pages, 7 figures

Subjects: **Pattern Formation and Solitons (nlin.PS)**; Information Theory (cs.IT); Quantum Physics (quant-ph)

Cite as: [arXiv:0912.5187v1](#) [nlin.PS]

Submission history

From: Ricardo Lopez-Ruiz [[view email](#)]

[v1] Mon, 28 Dec 2009 16:06:09 GMT (95kb)

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