

Abstract Submitted
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Dynamical and Geometrical Aspects of Isoscaling CHRISTIAN ESCUDERO, University of Texas at El Paso, CLAUDIO DORSO, Departamento de Física, FCEN, Universidad de Buenos Aires, ALAN DAVILA, University of Texas at El Paso, M. ISON, Departamento de Física, FCEN, Universidad de Buenos Aires, JORGE LÓPEZ, University of Texas at El Paso — Isoscaling is studied using classical molecular dynamics simulations of several reactions at various energies. Isoscaling at different stages of the reaction was calculated and the validity of the isoscaling power law was estimated. In addition we study the property of isoscaling from a 3D bond two colors polychromatic percolation model. We shown analytically the existence of isoscaling in such systems, and compare the analytical results with numerical data of some percolations systems.

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