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   Titolo              Finite size scaling and numerical simulation of statistical systems / / editor, V. Privman

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   Descrizione fisica  1 online resource (530 pages) : illustrations

   Disciplina          530.1/3

   Soggetti            Finite size scaling (Statistical physics)
                       Phase transformations (Statistical physics)
                       Monte Carlo method
                       Critical phenomena (Physics)

   Lingua di pubblicazione   Inglese

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   Livello bibliografico     Monografia

   Note generali       Title from PDF file title page (viewed November 16, 2016).

   Nota di bibliografia      Includes bibliographical references.

   Sommario/riassunto  "The theory of Finite Size Scaling describes a build-up of the bulk properties when a small system is increased in size. This description is particularly important in strongly correlated systems where critical fluctuations develop with increasing system size, including phase transition points, polymer conformations. Since numerical computer simulations are always done with finite samples, they rely on the Finite Size Scaling theory for data extrapolation and analysis. With the advent of large scale computing in recent years, the use of the size-scaling methods has become increasingly important."--Publisher's website.