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Markov Chain Monte Carlo ❖ Sonic Black Hole ❖

Shooting Cancer With Magic Bullets ❖

Bose-Stoner Formula in Magnetochemistry ❖

Particle in a Box ❖ Inside a Developing Fruit Fly Embryo ❖


Scattering and Bound States ❖ Complexes for Water Oxidation ❖

On Algebraically Positive Matrices ❖ Carbon Sequestration ❖

Siebeck-Marden Theorem

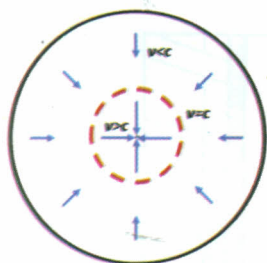
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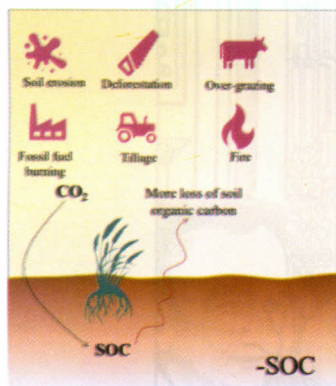
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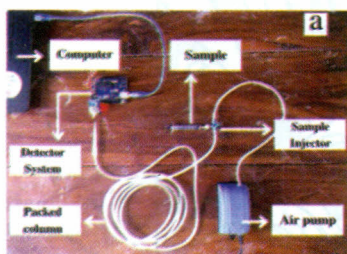
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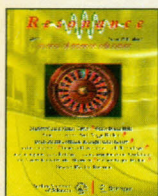
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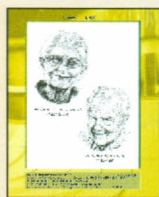
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Front Cover



The front cover shows a roulette wheel, a signature object of the (in)famous *Casino de Monte-Carlo* located in the Monte Carlo district of the principality of Monaco on the Mediterranean coast, from which first the Monte Carlo, and then the Markov Chain Monte Carlo schemes derived their names.

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Nicholas Metropolis and Arianna W. Rosenbluth
Illustration: Subhankar Biswas

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