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Batool. Ghalandary* (b.ghalandary@gmail.com), Tehran, Iran, and **Laleh Farhang Matin** (b.ghalandary@gmail.com), , Iran. *Exactly Solvable Reaction Diffusion Models on the Bethe Lattice through the empty interval method (EIM) with Analytical and Numerical approaches.*

The most general reaction- diffusion model on the Bethe lattice with nearest-neighbor interactions is introduced. the evolution equation of the system can be solved exactly through the empty interval method and comparing Analytical approach with Numerical .the stationary and the dynamics solution of such models are discussed. (Received April 29, 2010)