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# Attractors and Dimensions for Discretizations of a Dissipative Zakharov Equations

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摘要 In this paper, a dissipative Zakharov equations are discretized by difference method. We make prior estimates for the algebric system of equations. It is proved that for each mesh size, there exist attractors for the discretized system. The bounds of the Hausdorff dimensions of the discrete attractors are obtained, and the various bounds are dependent of the mesh size.

关键词 <u>Attractor</u> <u>dissipative Zakharov equation</u>

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Key words Attractor dissipative Zakharov equation

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