



四峰映射四倍周期分岔度量普适性的重正化群分析

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Renormalization group approach to metric universality for a period-quadrupling bifurcation in quadrumodal maps

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摘要 对四峰映射四倍周期分岔进行重正化群分析,获得了相应的重正化群方程组,并求出其普适函数和度量普适常数的数值解.

关键词: 四峰映射 四倍周期分岔 重正化群方程 度量普适性

Abstract: A renormalization group (RG) approach to a period-quadrupling bifurcation in quadrumodal maps is carried out. The corresponding RG equations are established, and their universal functions and metric (universal) constants are numerically obtained.

Key words: quadrumodal maps period-quadrupling bifurcation renormalization group equations metric (universality)

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