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Three-Dimensional Nonlinear Dynamic Model and Macro Control of Real Estate

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ABSTRACT

In this paper, according to economics of real estate and macro-control theory, combine with the characteristics of the real estate market, macro-control of the real estate market is studied. After giving the dynamic model of three-dimensional nonlinear differential equations based on the total number of houses on the real estate business, the government's averages housing investment funds and the standard price, systematically established the stability conditions of equilibrium point for this model. What' s more, through the use of extreme value analysis model, government funds have been invested in real estate business building devotion principles and the construction base of the real estate businessmen has also been estimated successfully. This provides the corresponding theoretical basis for government macro control policy-making.

KEYWORDS

Real Estate, Macro Control, Three-Dimensional Dynamic Model, Extreme Value Analysis

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