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滁州市老旧房屋震害预测及与实际地震震害对比分析

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Title: Seismic damage prediction of old houses in Chuzhou City and comparison analysis with actual damage

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摘要: 基于现场调查,并结合震害方面的经验,对滁州城区量大面广的老旧房屋的特点、抗震薄弱环节进行了评述;运用易损性概率分析法对所调查的老旧房屋进行了震害预测;进一步搜集了大量震害资料,总结了类似房屋的震害矩阵,对震害预测结果进行了对比检验.所得结果可供同类城市震害预测借鉴参考.

Abstract: First, features and seismic weak links of old houses in Chuzhou City were commented in this paper based on field investigation and experience. Then, future earthquake damage of the surveyed old houses was predicted through probabilistic analysis of building earthquake disaster vulnerability. Next, actual seismic damage statistics was conducted based on lots of seismic damage data to validate the predicted seismic vulnerability. The presented seismic damage prediction and validation methods may give a reference to other technicians engaged in similiar works.

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