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区域住宅安全状况综合评价方法研究(PDF)

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Title: Study on comprehensive evaluation method of residence safety condition for certain area

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关键词: [层次分析法](#); [评价](#); [关联理论](#); [指标体系](#); [权重](#)

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摘要: 正确评估区域住宅的安全状况,对危房改造及相关政策的制定具有重要的意义.提出了运用层次分析法建立区域住宅安全状况评价指标体系,通过构造判断矩阵,并进行一致性检验,确定各指标的权重.在此基础上采用灰色关联分析,根据调研人员评分结果计算出关联系数及关联度,进而得出调研地区住宅的安全等级.该方法被用于湖南省部分地区农村住宅情况的评价.结果表明,所提方法克服了传统评价方法主观性大的不足,提高了评价结果的客观性,具有一定的应用价值.

Abstract: Appraising the safety condition of residence correctly is essential for dilapidated buildings renovation and related policy establishment. The analytic hierarchy process was put forward to set up the evaluation index system of residence safety level, in which the weight values of the indices were determined through judgment matrix setup and consistency check. The residence safety level in the research area was obtained adopting grey correlation analysis and correlation factors and correlation degree calculated by investigators. This method was used to appraise the investigation of partial rural residences in Hunan Province. Results show that the proposed method overcomes the disadvantages of traditional methods of being subjective and improves the objectivity of the evaluation, thus this method is of applicable value.

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