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## **Structural Analysis of Irregular Reinforced Concrete Building Due to Earthquake: A Review**

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Abstract: In recent years, there has been a change in the complexity of housing and commercial structures from the complexity of several decades ago. Previously, residential and commercial buildings were mostly rectangular in shape and thus followed the traditional side load paths. Due to advances in technology, these structures are now more complex in shape and contain many inequalities. Such disturbances include, but are not limited to, non-parallel systems, aperture ruptures, torsional effects, and relay angles (ASCE 2010), which complicate traditional lateral load pathways. These complex diaphragms require more in-depth analysis - to determine the full path of the lateral load. In the case of this study, only the issue of irregularity will be studied.

Keywords: Irregularity, Seismic, displacement and buildings

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