

عنوان مقاله:

Behavioral evaluation of soil-based rocking foundations against seismic loading: A review study

محل انتشار:

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خلاصه مقاله:

The presented article provides a comprehensive review of rocking foundations and related works. The purpose of review studies is to carefully recognize the related literature to evaluate a particular research question, substantive domain, theoretical approach, or methodology and, in this way, to provide readers with a state-of-the-art understanding of the research topic. In this paper, the viewpoint of significant geotechnical undertaking, methods, techniques and their disadvantages and restrictions are discussed. This assignment focuses on rocking foundation procedure as an important task with performing the high-rise loading platforms on buildings and bridges under seismic conditions with shallow foundations. Giving an introduction to the methodology, the theoretical foundations and background of studies in this field are expressed in this respect. The perspective of this approach is then explored based on the geotechnical aspects of rocking foundations.

کلمات کلیدی:

Geotechnics, Rocking foundations, soil, Surface foundations, seismic loading

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