عنوان مقاله:

RESPO VSE ON TALL STRUCTURES SUBJECTED TO ¡RTHQUAKE USING A NEW COMBINED METHOD OF POLE ASSIGNMENT AND OPTIMAL CONTROL

نویسنده:

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خلاصه مقاله:

Research efforts in active control have been focused on a variety of control algorithms based on several control design criteria. A method of active control of the structural response due to vibration using a new combincu mcthod of pole assignment and instantaneous optimal control is outlined. In llis silly the location of poles are determinel to achieve the desired response and injoimized performance index. The (orin of the performance index chosen for this study is quadratic in state vector and control forcc The effect of chaning weighting marrices on responses is also investigated the feasiblity of ilic inethul is cleinonstrated by an exainple of a ten story Structurc.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1281502