

Strong ground motion simulation at dam site during the Hyogo-ken Nanbu earthquake

Masato Tsurugi[1], Manabu Anyoji[2], Kazuo Harita[2], Kenzo Toki[3], Fumio Yonezaki[2], Nobuteru Sato[2], Takehiko Someya[2], Takao Kagawa[1]

[1] G.R.I., [2] WARDEC, [3] Graduate School of Civil Eng., Kyoto Univ.

We applied the stochastic Green's function synthesis method to simulate ground motion during the Hyogo-ken Nanbu Earthquake. The purpose of this study is to examine the applicability of the method for evaluating input motion for the earthquake resistant design of structure. The obtained result is almost good agreement with observed record. So, the strong ground motion simulation method used in this study has enough applicability in practically.