

即時震害予測システム(SATURN)の開発

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SATURN - Seismic Assessment Tool for Urgent Response and Notification

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要旨 :

地震防災研究室が関東地方整備局からの依頼を受けて共同開発し、現在試験運用を行っている震害予測システム(SATURN)について、研究経緯、被害予測手法、システムの機能、データ解説等を取りまとめたものである。

キーワード : 地震、地震動予測、地震被害予測、リアルタイム、液状化、初動対応支援、橋梁、堤防

Synopsis :

We developed SATURN (Seismic Assessment Tool for Urgent Response and Notification) with Kanto Regional Development Bureau. SATURN is the tool which gives urgent information to sectors in charge of public infrastructure and supports their decision making immediately after an earthquake. This note shows the process of study, methods of damage estimation by earthquake, functions and data structures of SATURN.

Key Word : earthquake, estimation of ground motion, estimation of damage on public infrastructure, real time, liquefaction, support of the early stage after earthquake, bridge, mbankment

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