JSTAGE				My J-STAGE Sign in
STRUCTURAL ENGINEERING / EARTHQUAKE ENGINEERING Japan Society of Civil Engineers				
Available Issues Japanese			>>	Publisher Site
Author:	Keyword:		Search	<u>ADVANCED</u>
	to prite/Citation cles Alerts	Add to Favorite Publications	Register Alerts	? My J-STAGE HELP
<u>TOP > Available Issues > Tab</u>	le of Content	<u>s</u> > Abstract		

PRINT ISSN : 0289-8063

STRUCTURAL ENGINEERING / EARTHQUAKE ENGINEERING

Vol. 21 (2004), No. 2 pp.97s-111s

[PDF (906K)] [References]

PREDICTION METHOD FOR SEISMIC DAMAGE OF REINFORCED CONCRETE BRIDGE COLUMNS

Kazuhiro TSUNO¹⁾ and Robert $PARK^{2)}$

1) First Design Division, First Construction Department, Kanagawa Construction Bureau, Metropolitan Express Public Corp.

2) Dept of Civil Eng, University of Canterbury

(Received: February 17, 2003)

This research aims to determine the effect of loading pattern on the damage of a reinforced concrete bridge column. Five specimens were tested with uni-directional or bi-directional cyclic loading patterns combined with a constant axial load. In this report, a simple procedure to predict the damage and failure of a reinforced concrete column, that is subjected to an arbitrary seismic loading pattern, is proposed using the fatigue based damage model combined with the energy dissipation.

Key Words: bi-directional cyclic loading, RC column members, energy dissipation, damage index

[PDF (906K)] [References]

Download Meta of Article[Help] <u>RIS</u> <u>BibTeX</u>

To cite this article:

Kazuhiro TSUNO and Robert PARK; "PREDICTION METHOD FOR SEISMIC DAMAGE OF REINFORCED CONCRETE BRIDGE COLUMNS", *Structural Eng./Earthquake Eng.*, Vol. 21, No. 2, pp.97s-111s, (2004).

JOI JST.JSTAGE/jsceseee/21.97s

Copyright (c) 2004 by Japan Society of Civil Engineers



Japan Science and Technology Information Aggregator, Electronic

