

Earthquake Engineering Abstracts

FILE DESCRIPTION

Earthquake Engineering Abstracts (EEA) provides comprehensive, authoritative coverage of earthquake engineering and earthquake hazard mitigation. EEA indexes and abstracts thousands of journal articles and meetings/conferences. Also included are research reports, research monographs, and technical reports, including Earthquake Engineering Research Center Reports and Pacific Earthquake Engineering Research Center Reports.

SUBJECT COVERAGE

Major areas of coverage include:

- Geotechnical earthquake engineering
- Performance-based seismic engineering
- Disaster planning
- Earthquake resistant design and analysis
- Engineering seismology
- Risk and reliability seismic engineering
- Soil dynamics
- Structural dynamics

SOURCES

The EEA database includes information abstracted from several hundred scientific and technical journals, government and private agency reports, conference proceedings, books, and other publications.

TIPS

USE FILE 134

to search for authoritative information relating to earthquake engineering.

USE /TI AND /DE

for precise subject searching:

S STRUCTURAL(W)DYNAMICS/TI,DE

USE RANK

to find experts working in an area of interest.

S DISASTER PLANNING?

RANK AU

DIALOG FILE DATA

Inclusive Dates: 1972 to the present

Update Frequency: Monthly

File Size: Over 115,052 records as of August 2005

CONTACT

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SAMPLE RECORD

DIALOG(R)File 134:Earthquake Engin.
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0000041138 IP ACCESSION NO: 200500585

/TI Experimental Study on Seismic Performance Verification Method for RC Members Using High-Strength Materials

AU= Okamoto, Masaru; Sato, Tsutomu; Tanimura, Yukihiro; Kuroiwa, Toshiyuki

CS= Structures Technology Division, Railway Technical Research Institute, Japan

JN=,SO=,PD= Journal of Advanced Concrete Technology, v 2, n 2, p 223-231, 2004

PY PUBLICATION DATE: 2004

PU= PUBLISHER: Japan Concrete Institute, Sohgo Hanzomon Building, 12F, 1-7 Kojimachi, Chiyoda-ku, Tokyo, 102-0083

CP= COUNTRY OF PUBLICATION: Japan

PUBLISHER URL: <http://www.jci-net.or.jp/indexULe.html>

PUBLISHER EMAIL: inoue@jci-net.or.jp

DT= DOCUMENT TYPE: Journal Article

RT= RECORD TYPE: Abstract

LA= LANGUAGE: English

SN= ISSN: 1346-8014

NOTES: Numerical Data; Graphs

NO. OF REFS.: 8

FS= FILE SEGMENT: Earthquake Engineering Abstracts

ABSTRACT:

/AB The current Japanese seismic design code on railway structures is designed to verify whether the response calculated through dynamic analysis satisfies the seismic performance required for railway structures. The seismic performance of railway structures set forth in the code was determined through experimental studies on RC members using normal-strength materials (nominal concrete strength: 50 N/mm² maximum; nominal yield strength of the reinforcement: 390 N/mm² maximum). Therefore, when RC members are designed with high-strength reinforcement (nominal yield strength: higher than 390 N/mm²) and high-strength concrete (nominal compressive strength: higher than 50 N/mm²), it is necessary to evaluate the seismic performance of the members and reflect this in the design. For this purpose, cyclic loading tests were performed on RC members made of high-strength materials. This paper describes the results of studies performed to verify the applicability of the current Japanese railway structure design code to RC members using high-strength materials and to identify the key points in using high-strength materials.

/DE DESCRIPTORS: Dynamic structural analysis; Earthquake design; Railway engineering; Reinforced concrete; Seismic engineering

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S SEISMIC(W)PERFORMANCE
/AB	AB	Abstract	Word	S SEISMIC(W)DESIGN/AB
/DE	DE	Descriptor ¹	Word & Phrase	S STRUCTURAL(W)ANALYSIS/DE S EARTHQUAKE DESIGN?/DE
/ID	ID	Identifier	Word & Phrase	S DYNAMICS/ID S STRUCTURAL ANALYSIS/ID
/TI	TI	Title	Word	S HIGH(W)STRENGTH(W)MATERIAL?/TI

¹ Also /DF.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	CSA Accession Number	Phrase	S AA=200500585
AU=	AU	Author	Phrase	S AU=OKAMOTO, M?
—	AZ	DIALOG Accession Number		
BN=	BN	International Standard Book Number (ISBN)	Phrase	S BN=0-8194-5260-2 S BN=0819452602
CD=	CD	Conference Date	Phrase	S CD=20040315
CL=	CL	Conference Location	Word	S CL=(SAN(W)DIEGO)
CP=	CP	Country of Publication	Phrase	S CP=USA S CP=NEW ZEALAND
CS=	CS	Corporate Source	Word & Phrase	S CS=(RAILWAY(5N)STRUCTURE?) S CS=STRUCTURES TECHNOLOGY DIV?
CT=	CT	Conference Title	Word	S CT=(ULTRAFAST(W)PHENOMENA)
CY=	CY	Conference Year	Phrase	S CY=2004
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
FS=	FS	File Segment	Phrase	S FS=EARTHQUAKE ENGINEERING ABSTRACTS
—	II	Digital Object Identifier		
JN=	JN	Journal Name	Phrase	S JN=JOURNAL OF ADVANCED CONCRETE?
LA=	LA	Language	Phrase	S LA=GERMAN
MC=	MC	Materials Classification	Phrase	S MC=AL, ALUMINUM BASE ALLOY?
ML=	ML	Materials	Phrase	S ML=KEVLAR 49
NO=	NO	Document Number	Word & Phrase	S NO=OCLC? S NO=OCLC 034348602
—	NR	Number of References		
—	NT	Note		
PD=	PD	Publication Date	Phrase	S PD=20040000
PU=	PU	Publisher	Word	S PU=(JAPAN(W)CONCRETE)
PY=	PY	Publication Year	Phrase	S PY=2004
RN=	RN	Report Number	Word & Phrase	S RN=5383 S RN=SPIE VOLUME 5383
RT=	RT	Record Type	Phrase	S RT=ABSTRACT
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=1346-8014
SO=	SO	Source Information	Word	S SO=(CONCRETE(W)TECHNOLOGY)
UD=	—	Update	Phrase	S UD=9999

SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP DUP, HELP CURRENT online.

LIMIT	/ABS -- Record has an Abstract /NOABS -- Record is a Citation Only Record /YYYY -- Publication Year	S S3/ABS S S3/NOABS S S2/2004
SORT	AA, AU, CS, JN, PY, TI	SORT S3/ALL/PY/D SORT S1/ALL/TI
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked.	RANK DE RANK AU S4
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
CURRENT	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 134 CURRENT2

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Bibliographic Citation and Abstract
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/AU,TI/1-5 PRINT S2/TI,AB/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/5/1-5 TAG PRINT S3/9/ALL TAG
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