

ÍNDICE

CONTENTS

Preface

Overview, conclusions and recommendations

Generalized pushover curves for nonlinear static analysis of three-dimensional structures

Rakesh K. Goel (California Polytechnic State University, USA)

Force/torque pushover method for plan irregular structures

M. Savoia, B. Ferracuti (University of Bologna, Italy), R. Pinho (University of Pavia, Italy)

Pushover procedures for seismic assessment of buildings: issues, limitations and future needs

Sashi K. Kunnath and Emrah Erduran (University of California at Davis, USA)

An assessment of static nonlinear pushover analyses in 2-D and 3-D applications

Dimitrios K. Baros and Stavros A. Anagnostopoulos (University of Patras, Greece)

Effects of P-delta and deterioration on pushover target displacement

H. Krawinkler (Stanford University, USA) and F. Zareian (University of California Irvine, USA)

Application of modal pushover analysis to RC frames and incremental dynamic analysis

Anil K. Chopra (University of California, Berkeley, USA)

The N2 method for asymmetric buildings

Peter Fajfar, Damjan Marusice, Iztok Perus, Maja Kreslin (University of Ljubljana, Slovenia)

Modified formulation of coefficient method for 3D pushover of buildings

A.S. Moghadam (International Institute of Earthquake Engineering and Seismology, Iran), F. Forootan (Azad University, Iran)

Nonlinear static procedures for the seismic assessment of the 3D irregular spear building

Rita Bento (IST, Technical University of Lisbon, Portugal), Rui Pinho (University of Pavia, Italy), C. Bhatt (IST, Technical University of Lisbon, Portugal)

Nonlinear static analysis of bridges accounting for higher mode effects

Andreas J. Kappos and Themelina S. Paraskeva (Aristotle University of Thessaloniki, Greece)

Pushover analysis of the experimentally tested two-span two-column bent RC bridge

Matej Fischinger and Tatjana Isakovic' (University of Ljubljana, Slovenia)

Verification of nonlinear static procedures (NSP) for assessment of bridges

R. Pinho (University of Pavia, Italy), R. Monteiro (University of Porto, Portugal), C. Casarotti (EUCENTRE, Pavia, Italy) and R. Delgado (University of Porto, Portugal)