

THE RESPONSE SPECTRUM

*A Technical Seminar on the Development and
Application of the Response Spectrum Method for
Seismic Design of Structures*

LECTURE # 4

1-2 June 2007

Application of Response Spectrum in Structural Engineering

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Dr. Carlos Ventura is a Civil Engineer with specializations in structural dynamics and earthquake engineering. He has been a faculty member of the UBC Department of Civil Engineering since 1992. He is currently the Director of the Earthquake Engineering Research Facility (EERF) at UBC, and is the author numerous technical and non technical papers and reports on earthquake engineering, structural dynamics and structural testing. He is a member of several national and international professional societies and advisory committees. Dr. Ventura has conducted research for more than twenty five years in the dynamic behaviour and analysis of structural systems subjected to extreme dynamic loads, including severe earthquakes. Dr. Ventura's research work includes experimental studies in the field and in the laboratory of structural systems and components.