

SEISMIC ANALYSIS OF BUILDINGS

BY JORGE ENRIQUE GIMENEZ*

ABSTRACT

The influence of the fundamental vibration period and the number of floors of a structure are analysed in order to determine the seismic coefficient. A formula is proposed for its computation.

The distribution of the basal shear in height is studied in function of the ordinal number of the floor considered and the total number of floors of the building. A formula is proposed for design of structure purposes.

* Civil Engineer. Member of the Mendoza Society of Civil Engineers Architects and Surveyors.