



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.8, pp 425-430, 2017

Design and Analysis of Spider Web Slab

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Abstract : Earthquake is the most damaging and most frequently occurring disaster among all. So, it is necessary to mitigate such kind of risk. To reduce the effect of earthquake forces in slab it should able to absorb more vibration. So the spider web system is adopted in slab rather than conventional slab. In the present study, the circular slab is taken for analysis. In this the conventional circular slab with normal two way reinforcement is compared with the circular slab with reinforcement in spider web system is and going to found which one is more effective to absorb vibration. For the analysis, ANSYS software is used because of finite element modeling.

Key words : Circular Slab, Spider Web System, ANSYS, Vibration, Normal Two Way Reinforcement.

Sudhakar P *et al*/International Journal of ChemTech Research, 2017,10(8): 425-430.
