

MNG Research Glimpses Updated 1/1/2015 in [www.mngogate.com]

Earlier Version dated 1/1/2013 (see below) carried (right side) damaged archives which are now replaced with neater archives.. Further information is added here.

Textbook (1957 edition, Published by Edward Arnolds, London) mentions MNG for some contents, based on his Thesis for M.Sc., London University, 1956 (pages 525, 526 of Textbook)... (ZSM and MNG another research on Domes) is published as a Paper by Institution of Civil Engineers, London 1956. (Try Google for access).

MNG Research Glimpses.

(1/1/2013) See biodata (www.mngogate.com). born 1932... Hobby of research in Linguistics.

University Education. BE (Civil) Pune 1953 MSc.... London 1956 Professional career in Structural Engineering till 1997. Architecture career also. Projects in Mumbai, Thane, Pune, Chiplun, Middle East, Kandla, Lucknow, etc. Wrote articles on new creativity experiences.

Conducted magazine Building Practice, in 1970-81. Searchlights on many construction products. Interviewed Architects, Engineers. Hosts sponsored his visits India & abroad to attend Conferences.

THE ANALYSIS OF ENGINEERING STRUCTURES

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EXPERIMENTAL STRUCTURAL ANALYSIS

If the structure is one in which both bending moments and axial forces contribute appreciably to the strain energy the model must be such that both the flexural and extensional rigidities of the various parts bear the same relationship to the prototype.

In certain instances, as pointed out by M. N. Gogate, however, a suitable choice of scales enables a model to be made which will take account of the effects due to both direct and bending stresses without the need to reproduce the cross sectional shapes of the members to scale.

STRESS ANALYSIS OF THREE-PINNED ARCH-RIBBED DOMES

by

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and
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