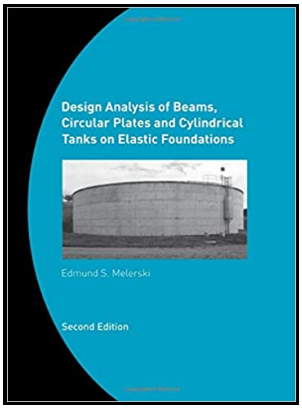
Design analysis of beams, circular plates and cylindral tanks on elastic foundations

Taylor & Francis - Design Analysis of Beams, Circular Plates and Cylindrical Tanks on Elastic Foundations



Description: -
-
Elastic analysis (Engineering) -- Data processing
Tanks -- Mathematical models
Foundations -- Mathematical models
Structural analysis (Engineering) -- Data processingDesign analysis of beams, circular plates and cylindral tanks on elastic foundations
-Design analysis of beams, circular plates and cylindral tanks on elastic foundations
Notes: Includes bibliographical references and index.
This edition was published in 2006

Filesize: 13.109 MB

Tags: #eCite

Stability studies on cellular-walled circular cylindrical shells

Easy-to-use, fully-revised software is included which runs smoothly under current Windows operating systems. The effect of uplift pressure, reloading of the soil and limit depth of the soil layer are taken into account.

Design of a circular raft for a cylindrical core

When they are resting on the ground, they behave as. Circular plates are common in many structures such as nozzle covers, end closures in pressure vessels, pump diaphragms, turbine disks, and bulkheads in submarines and airplanes, etc. Common types of boundary conditions pinned and roller support, hinge connection, fixed and free end can be applied to an arbitrary point on the beam.

Elastic Analysis of Circular Plates

Together, the book and software are of great practical use to engineers working in the design of beams, strips, circular plates, cylindrical tanks and silos, and also to postgraduate students and researchers with interest in this area of soil-structure interaction. With the case under consideration, we can assume that the deflection is symmetrical with respect to the middle strip. Easy-to-use, fully-revised software is included which runs smoothly under current Windows operating systems.

Design Analysis of Beams, Circular Plates and Cylindrical Tanks on Elastic Foundations: Including Software CD

The general approach to solving such problems is to sub-divide the slab into several plate elements. Graduate Research Supervision Current No records found.

Design analysis of beams, circular plates and cylindrical tanks on elastic foundations : with IBM

The following text gives a description of the design properties and parameters.

Analytical solution for beams with multipoint boundary conditions on two

These tables account for variation in a number of parameters relating to the tank material and size. The design of circular rafts is quite similar to that of other rafts. Then, the analysis of the raft is carried out two times for two different structural systems.

Design Analysis of Beams, Circular Plates and Cylindrical Tanks on Elastic Foundations

An efficient numerical method of analysis for thermal effects in circular-cylindrical storage concrete tanks under the conditions of axial symmetry is outlined in this chapter. The system of linear equations for the Continuum model is solved by iteration method 6.

Stability studies on cellular-walled circular cylindrical shells

DasGupta, Axially constrained beams on elastic foundation, International Journal of Mechanical Sciences 16 5 1974 305—310.

Related Books

- Nuevo Mundo en la visión de Montaigne, o, Los albores del anticolonialismo
- T-factor diet
- Coxswain in the northern convoys
- German exercises - material to translate into German
- Ritorno