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1 Using MATLAB as a Modelling Tool for Civil Engineering Design Projects A/Prof Hadi Khabbaz Email: hadi.khabbaz@uts.edu.au 4 July 2016 MATLAB ACADEMIC CONFERENCE 2016

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using MatLab applications with such problems is the ability to obtain accurate results rapidly and thus to perform parametric studies quickly enough to be useful in a design context. Three generic cases were analyzed: 1. Principal stresses determination for an underground mine. 2. Estimation of quantity of flow for an impervious dam. 3.

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INTRODUCTION TO MATLAB FOR ENGINEERING STUDENTS

Here the demonstration MATLAB script for geotechnical problems using DLO presented at NUMGE conference, Norway, 2010 is provided. Sample output. Example 1 - undrained retaining wall. dlo(9, 6, 0, 0, 2, 5, 1, 0, 0) ... (CLA) is a tool that has found significant application in conventional geotechnical engineering design and analysis, building on ...

MATLAB script for DLO analysis of geotechnical problems

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Finite element analysis in geotechnical engineering Theory

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