



DIGITAL SOLUTIONS

NAUTICUS HULL - PULS BUCKLING

Course code: NA-09

Duration: 0.5 days

Prerequisite:

Basic understanding of the structural strength and plate buckling theory.

DESCRIPTION

The course is an introduction to the PULS (Panel Ultimate Limit State) program for buckling and ultimate strength capacity assessments of stiffened and unstiffened panels based on non-linear large deflection plate theory. PULS can be used in typical planar building blocks in ship hull structures as well as in general planar stiffened, unstiffened or corrugated plate structures.

The course will mainly be based on hands-on training, presenting some typical problems where PULS can be used for assessment and understanding of the buckling and non-linear behaviour.

LEARNING OBJECTIVES

After the course you should be able to use PULS to calculate ultimate buckling capacities of stiffened or unstiffened plates.

TARGET GROUP

Naval architects, designers, hull structural engineers and approval engineers with no or limited experience in using Nauticus Hull.