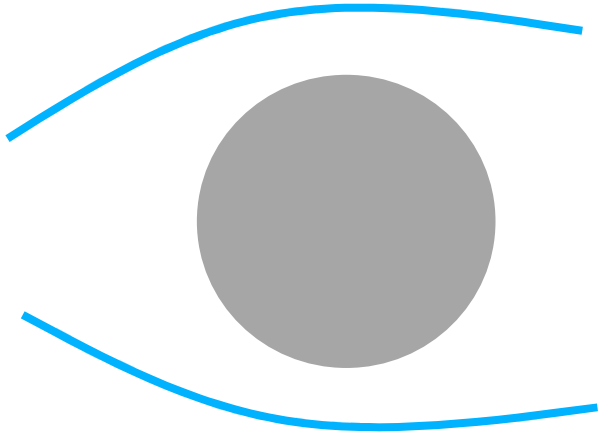
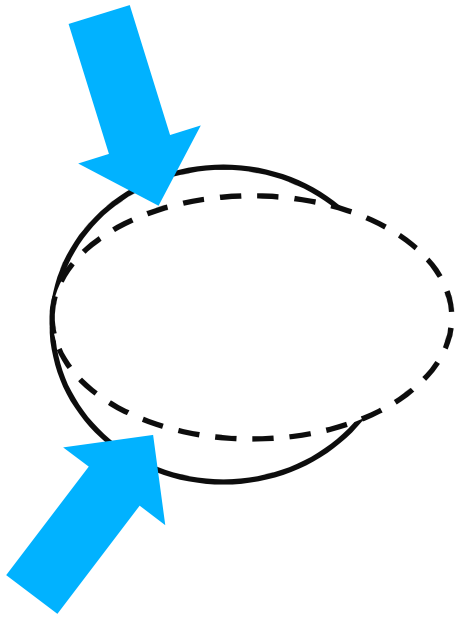
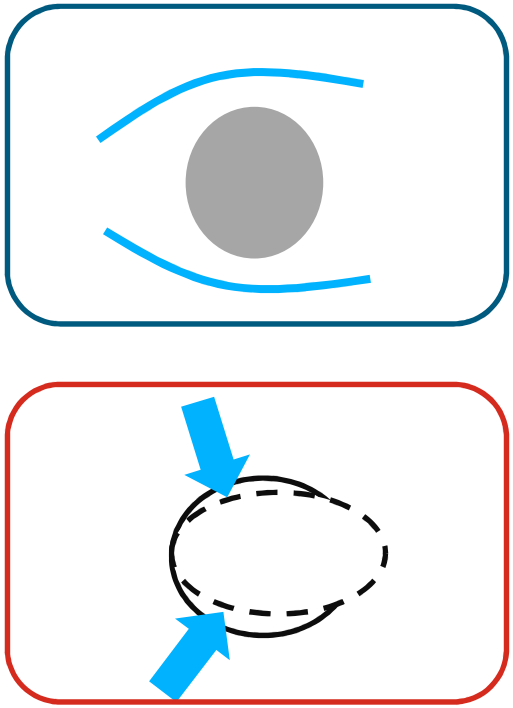
FLUID MECHANICS



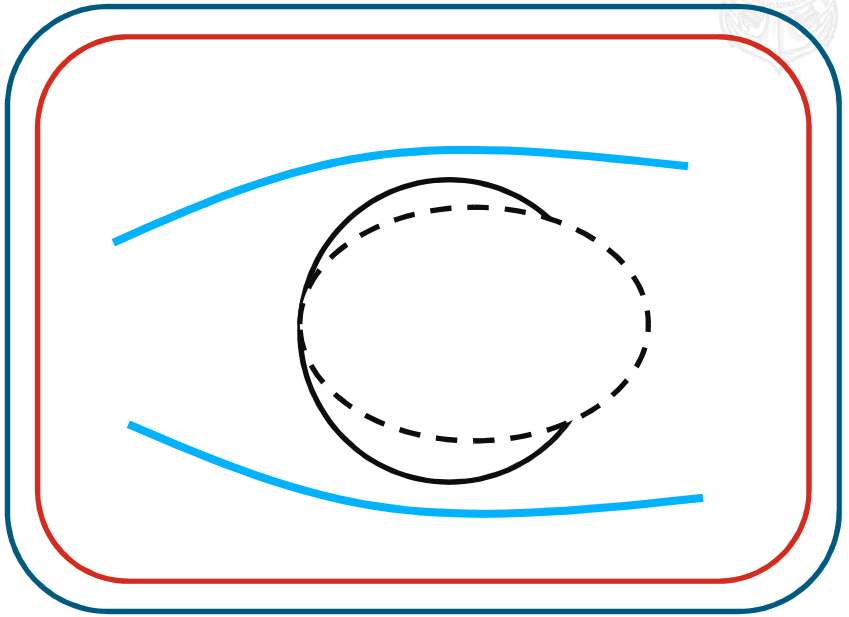
SOLID MECHANICS



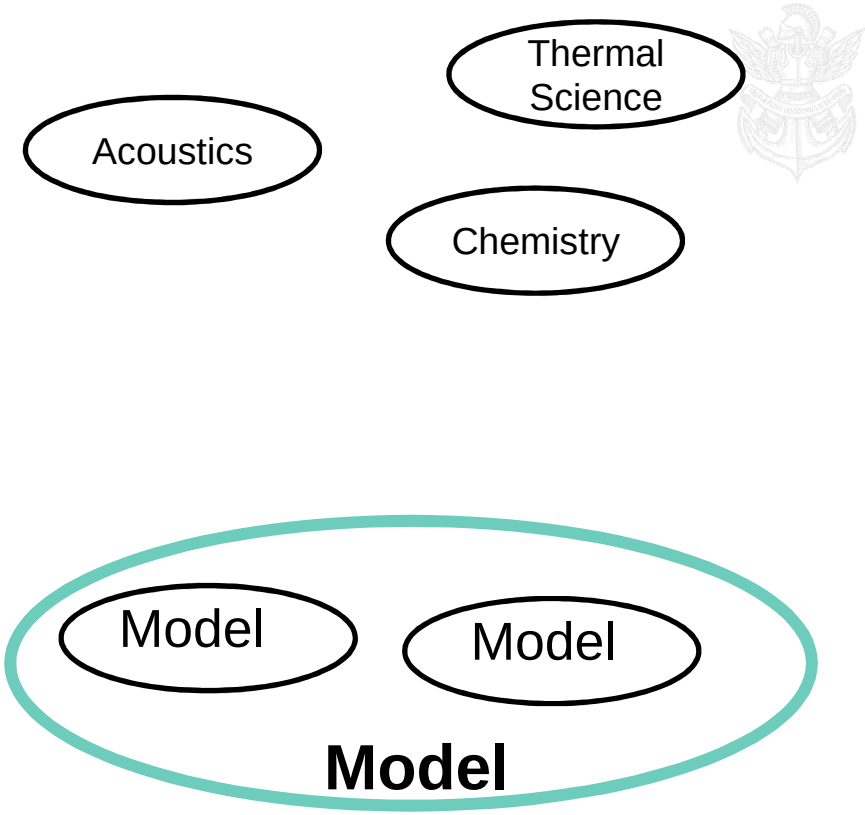
FLUID AND SOLID MECHANICS



FLUID-SOLID INTERACTIONS



A FUNDAMENTAL ISSUE



A PRACTICAL ISSUE

Aerospace

Nuclear

Civil

Environment

Bioengineering

….

EXAMPLE : PLANE TAIL FLUTTER

EXAMPLE : DOLPHIN SKIN

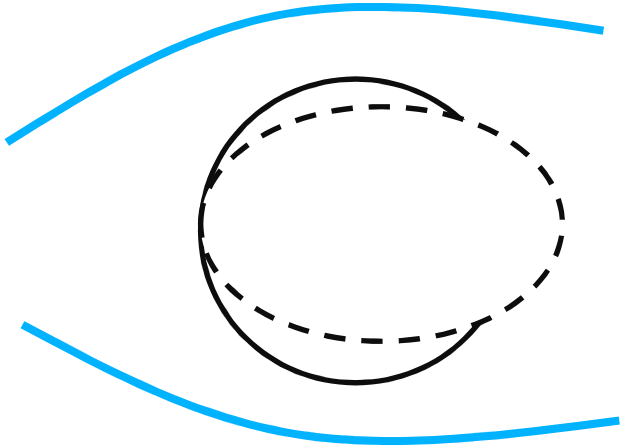
EXAMPLE : WIND ON CROP

EXAMPLE : A HARD DISK DRIVE

EXAMPLE : AN INFLATABLE DAM

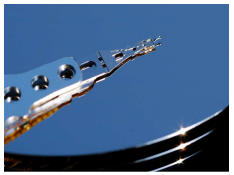
EXAMPLE : THE TACOMA BRIDGE

COUPLED FLUID AND SOLID MECHANICS



COURSE OBJECTIVES




1. Classify

2. Build relevant models