

SPACE STRUCTURES & SYSTEMS LABORATORY

GAETAN KERSCHEN

Nonlinear Vibrations of Aerospace Structures

Nonlinear modal analysis and nonlinear system identification

Wing-engine pylon,
engine mounts

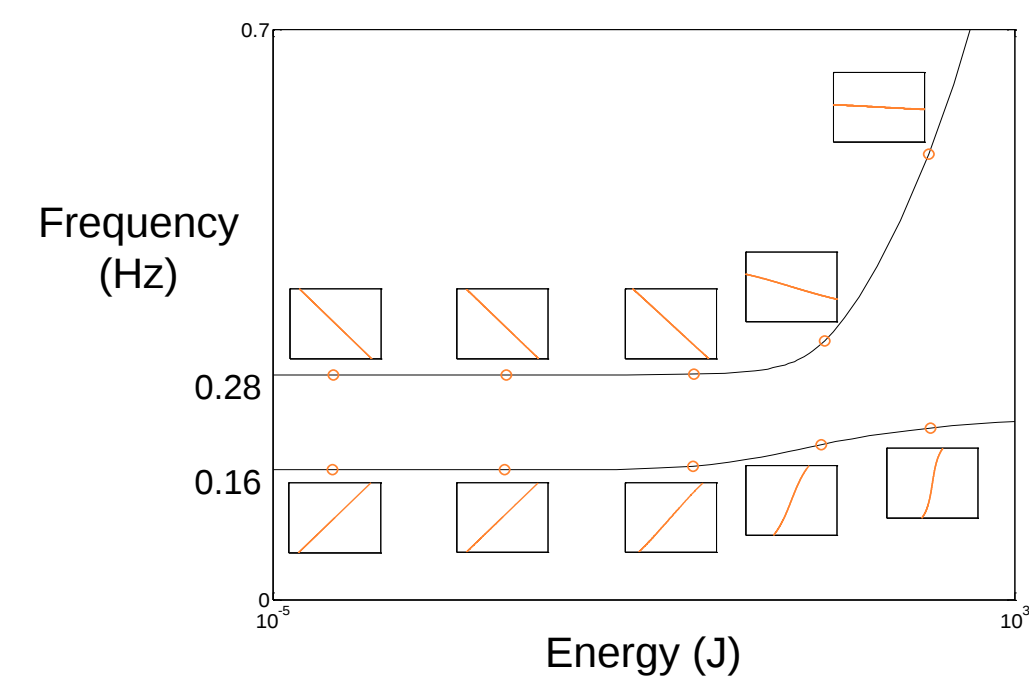
Fluid-structure
interaction

Friction and rate
limiting in actuators

New
materials

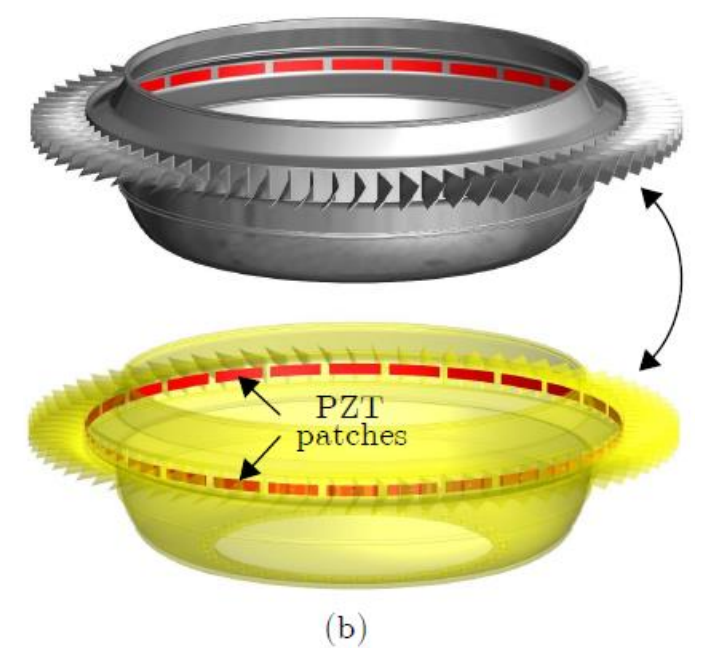
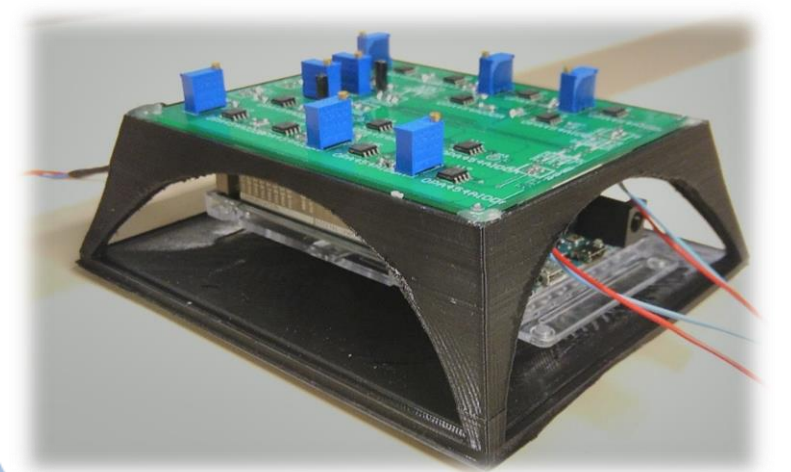
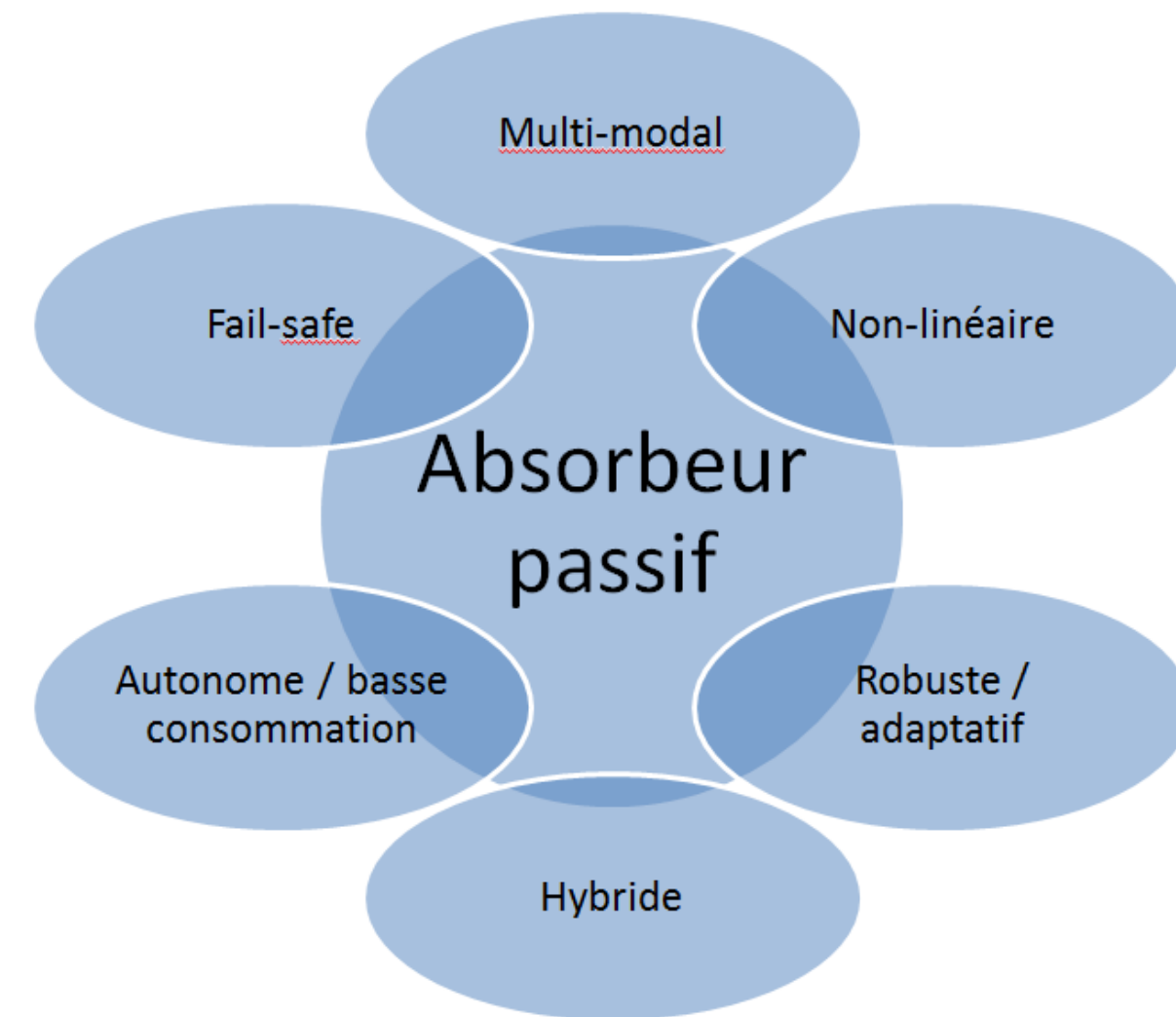


SmallSat spacecraft
(EADS-Astrium)



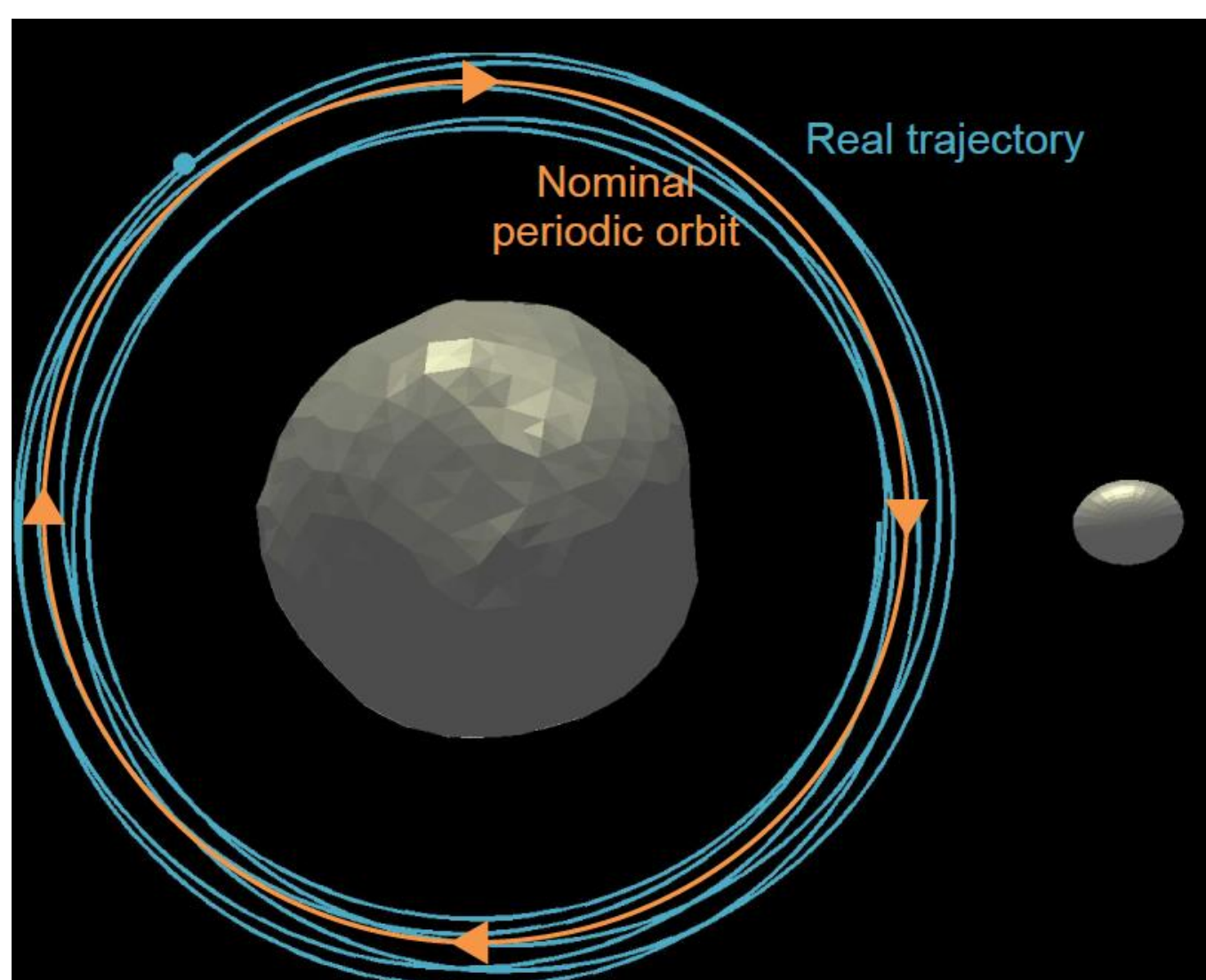
Vibration Absorbers

Digital linear and nonlinear vibration absorbers



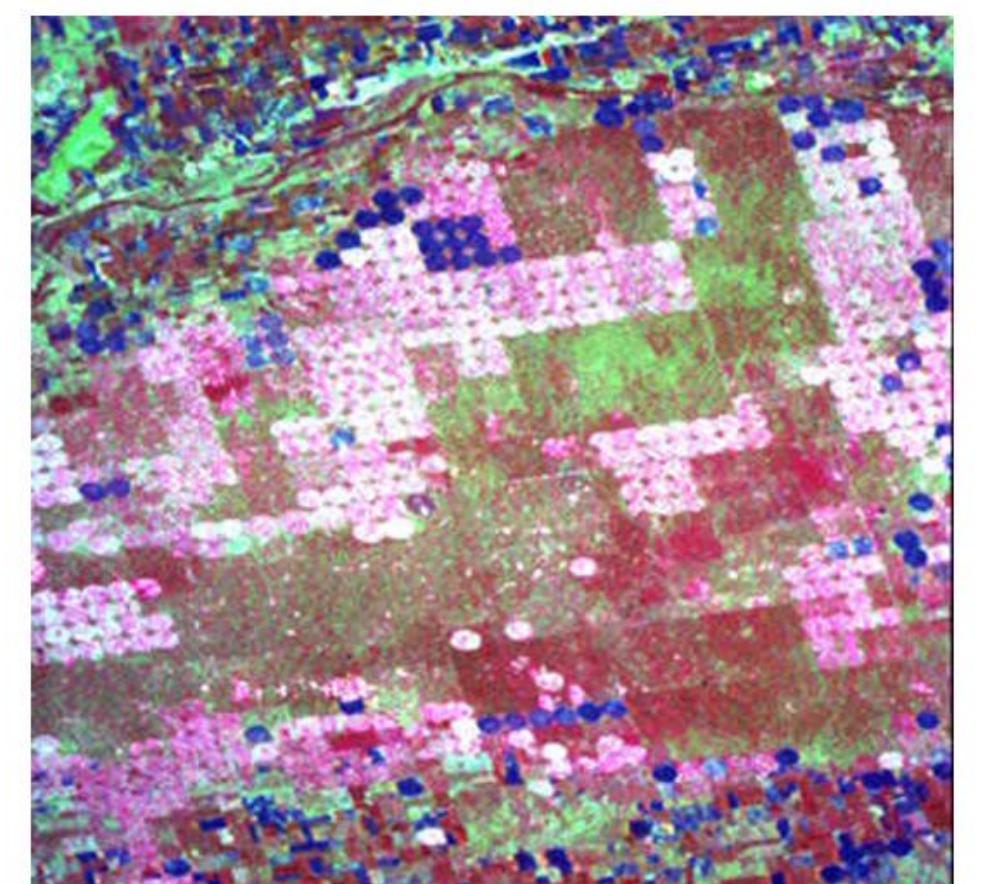
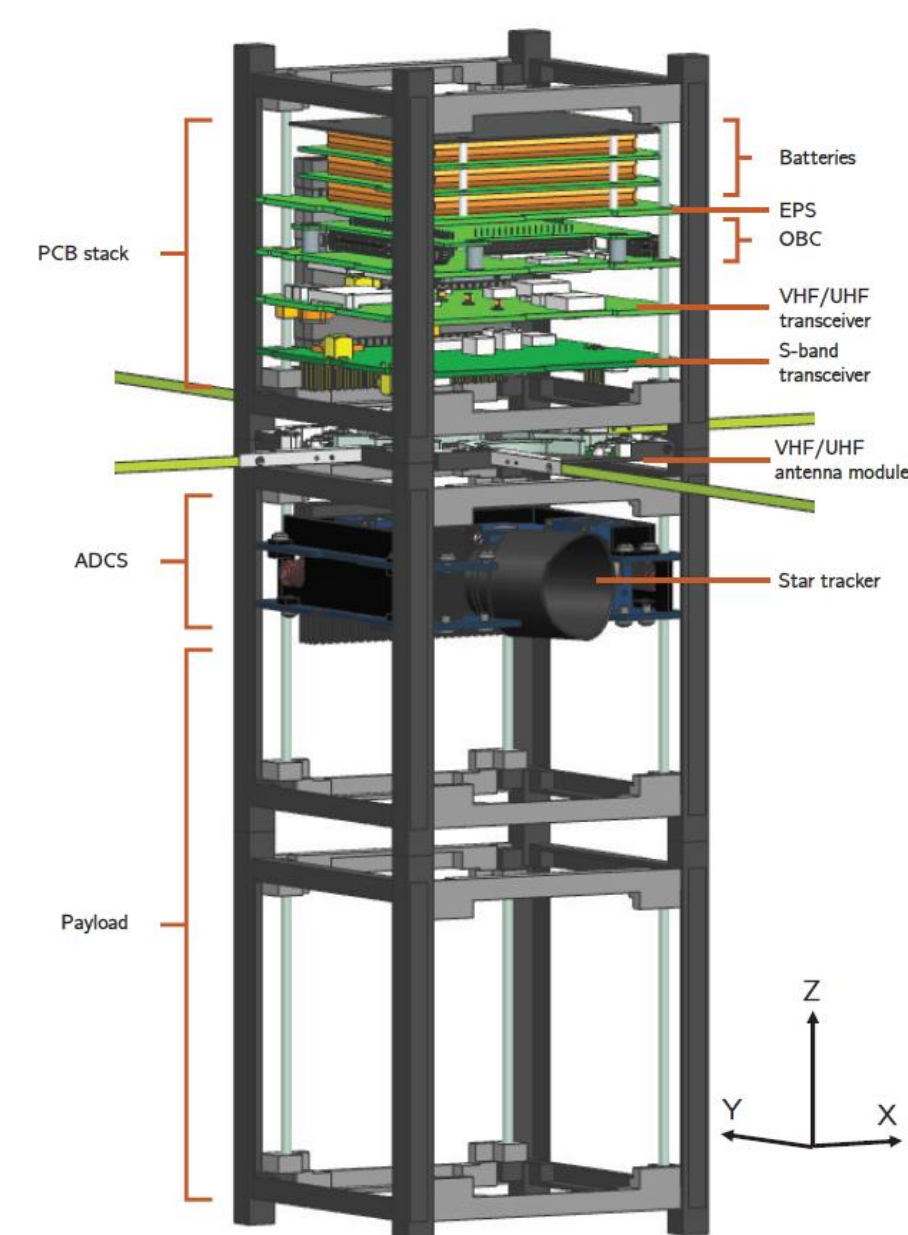
Astrodynamics

Orbits around asteroids



Nanosatellites

OUFTI-NEXT mission



Corn fields in Kansas - MWIR (Landsat)



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