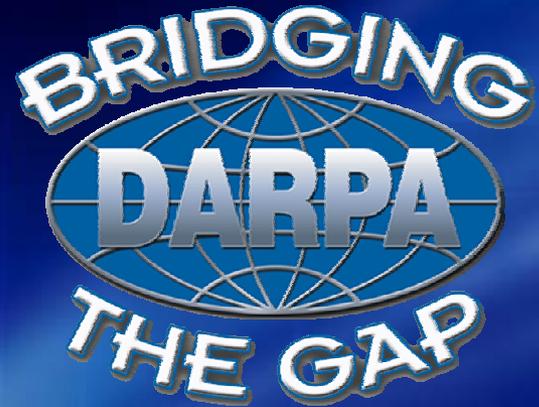
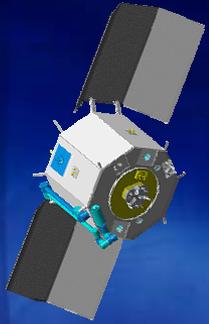


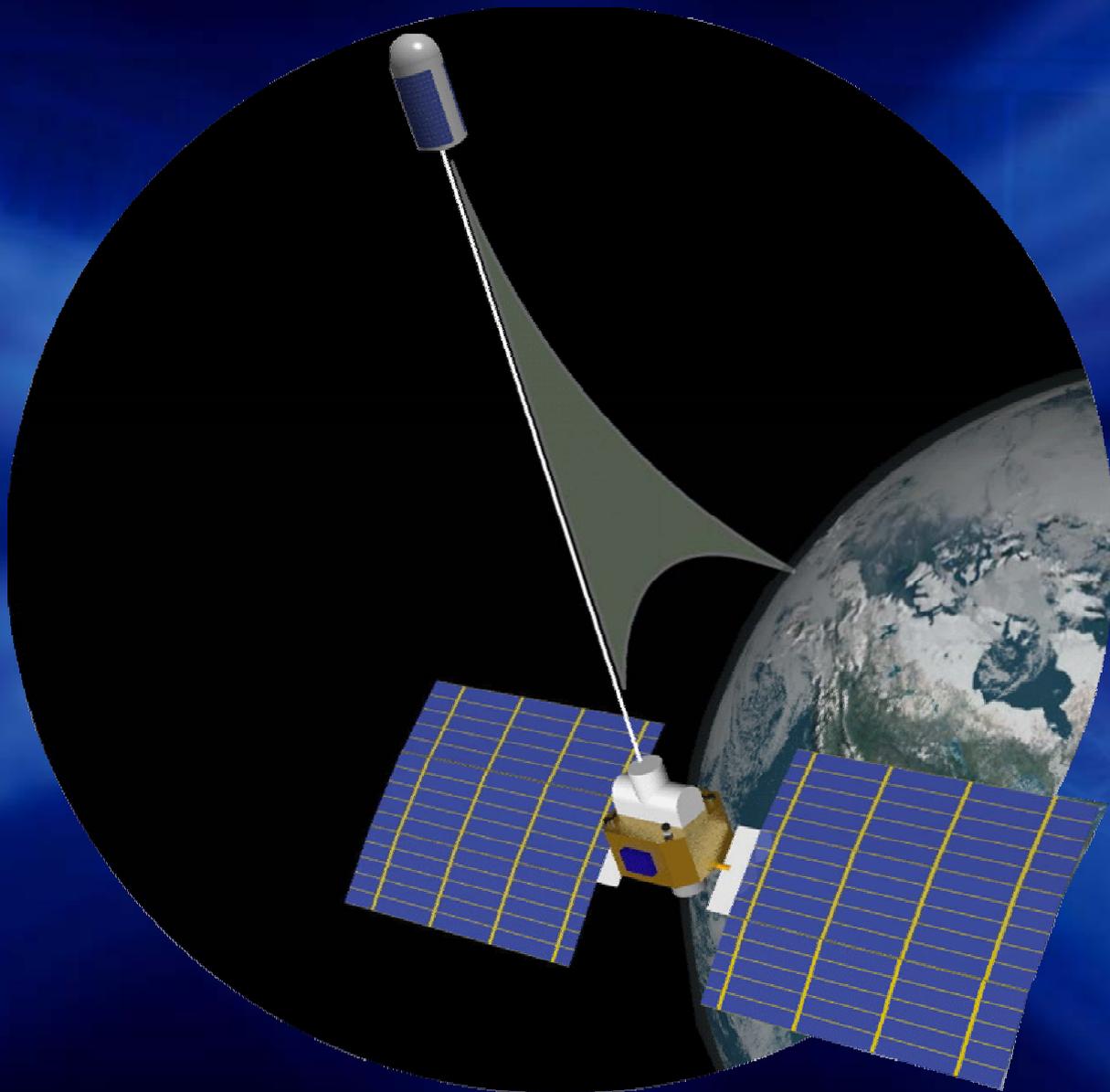
**BRIDGING
DARPA
THE GAP**

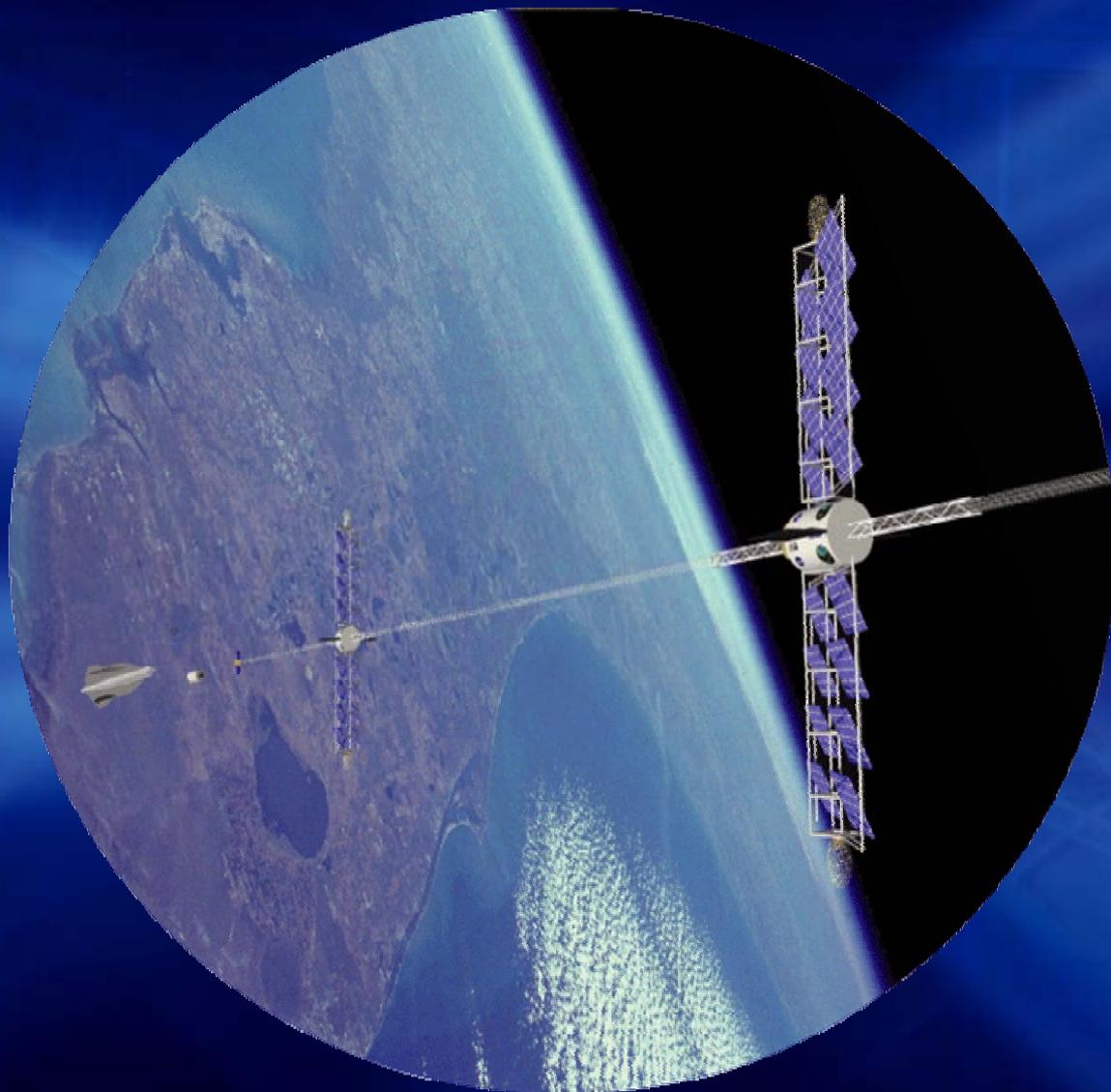


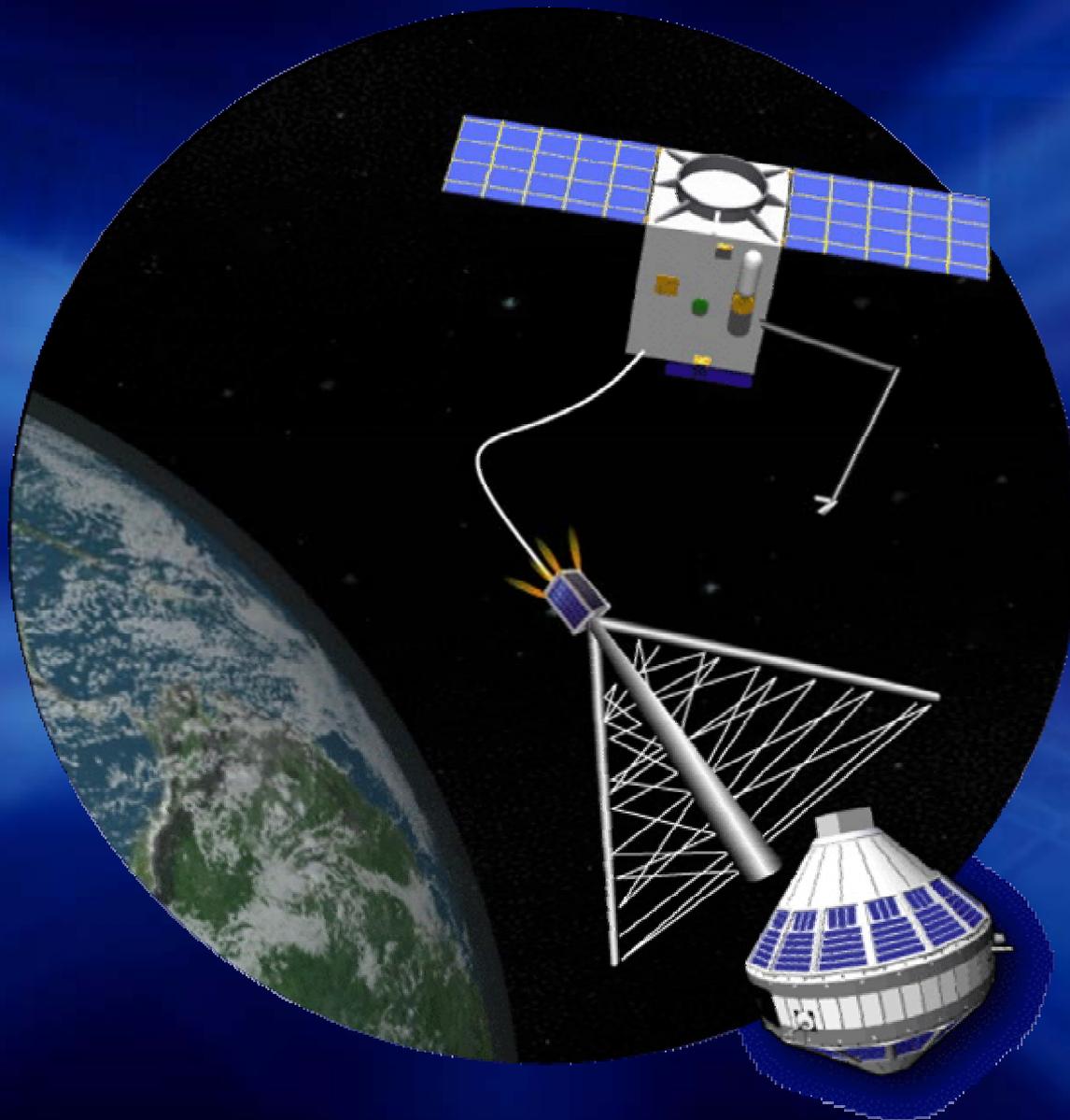
Enabling Technologies for SPACE

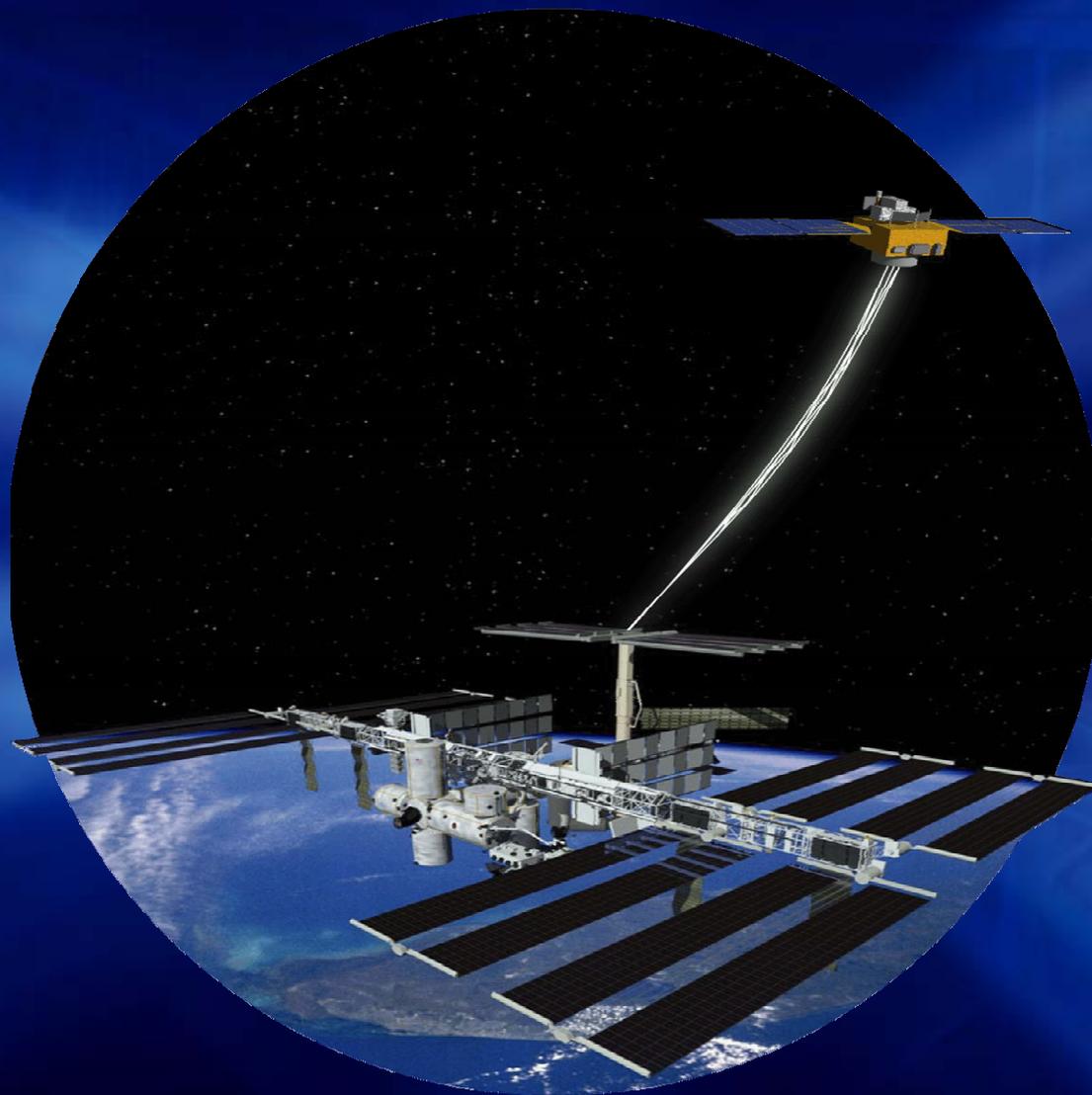
Leo Christoloudou
DSO













Ballistic Systems, Inc.

Run GK12

Simulate Full Scale Stringer/Thruster

Conditions:

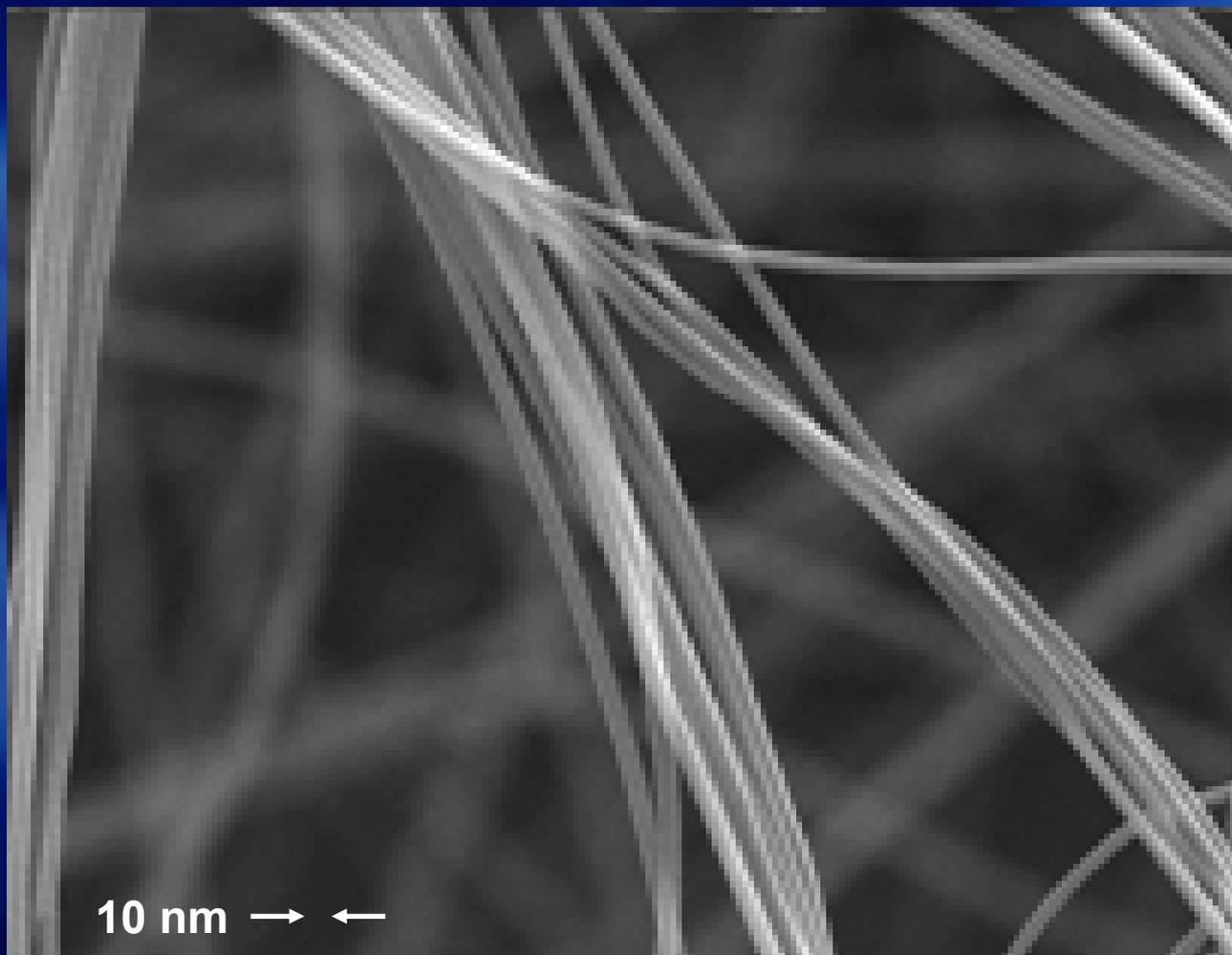
9 mixed white/black Mat-A grains

$P_c = 162$ psia

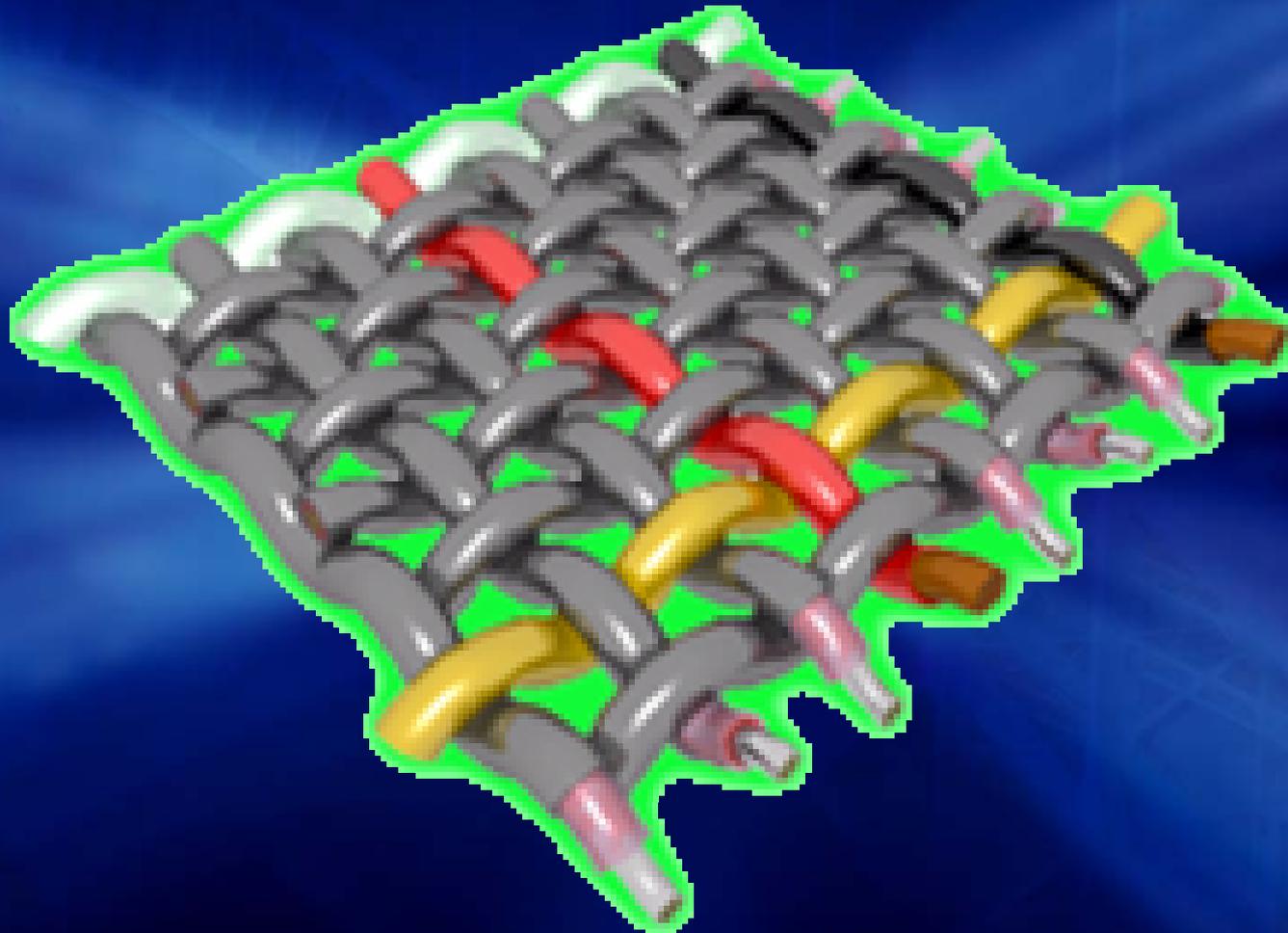
OIF = 1.1

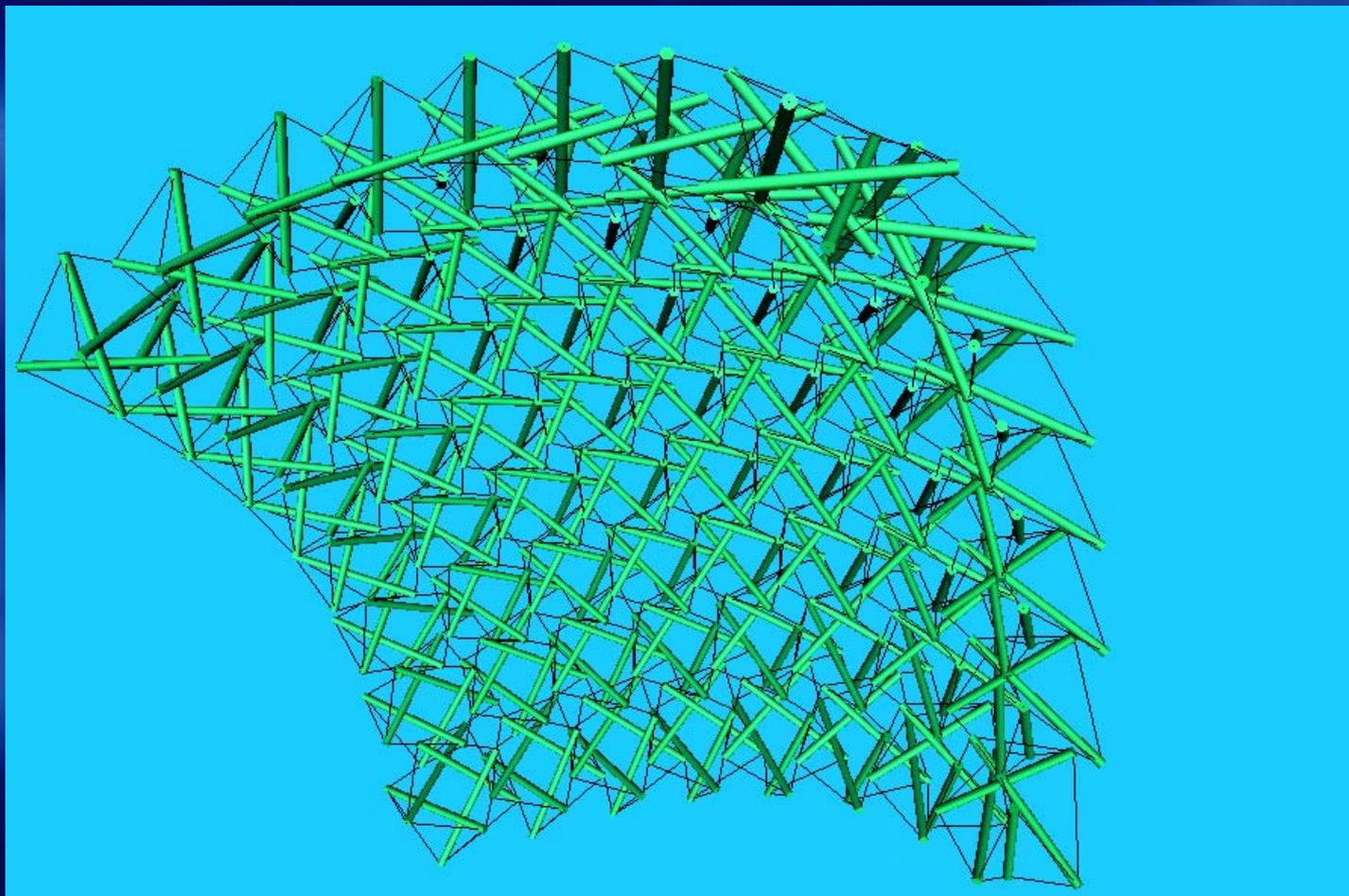
$G_{H_2O_2} = 0.018$ lbm/in²-s



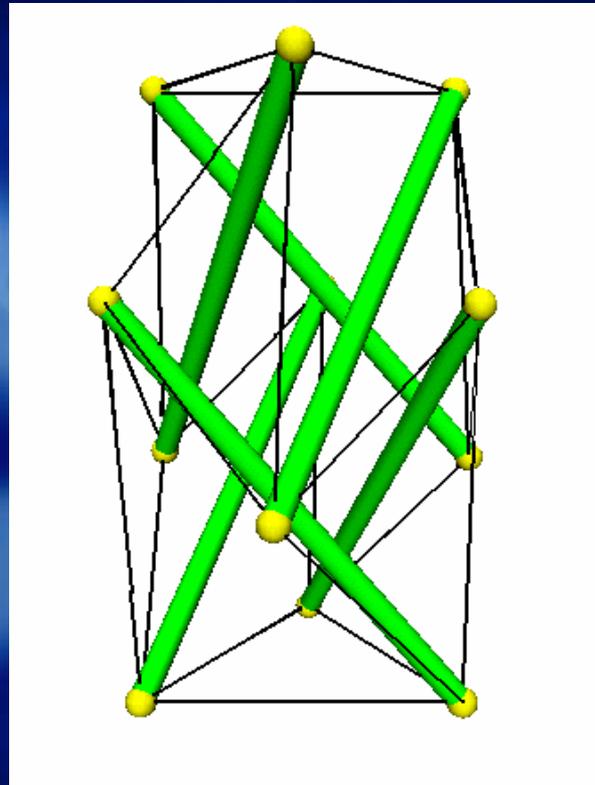


Powerfibers





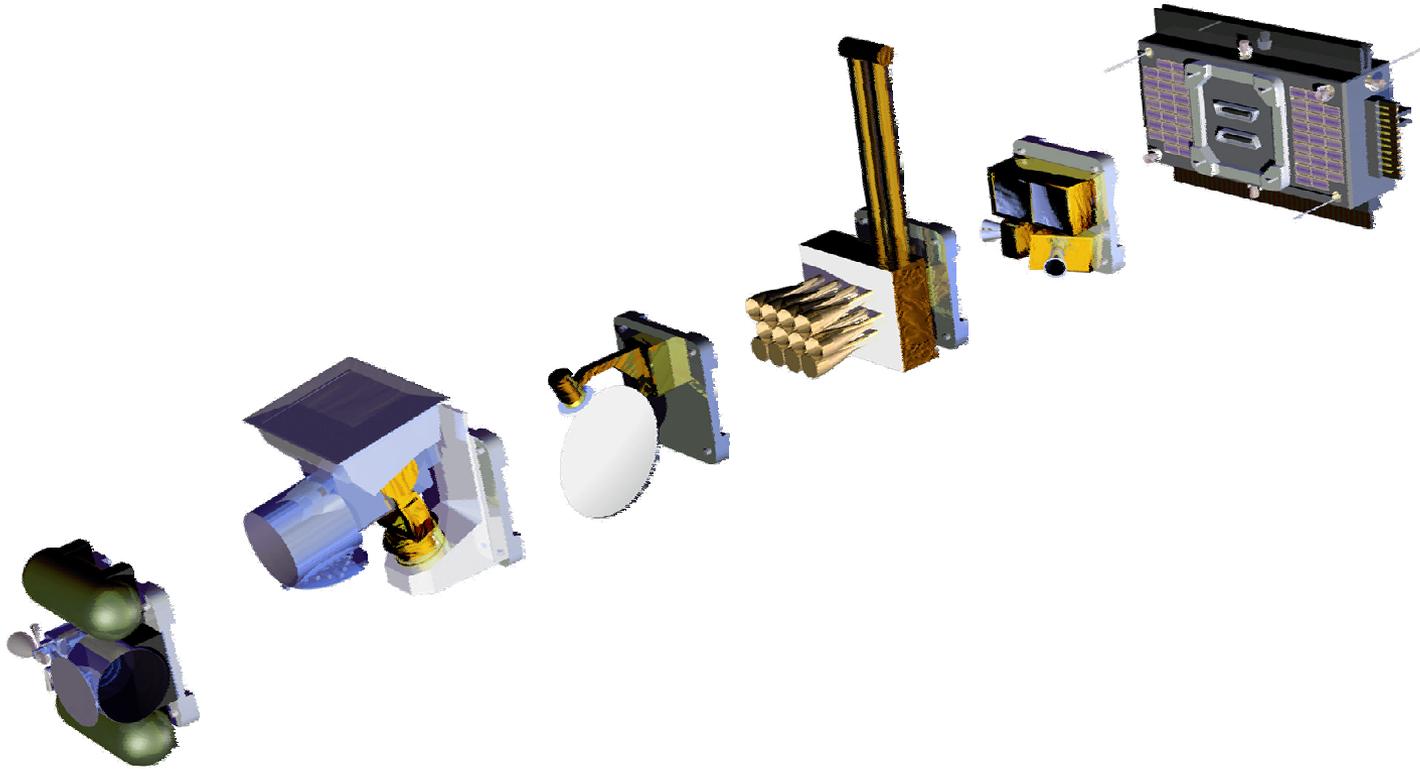
Class 1 Tensegrity Structures

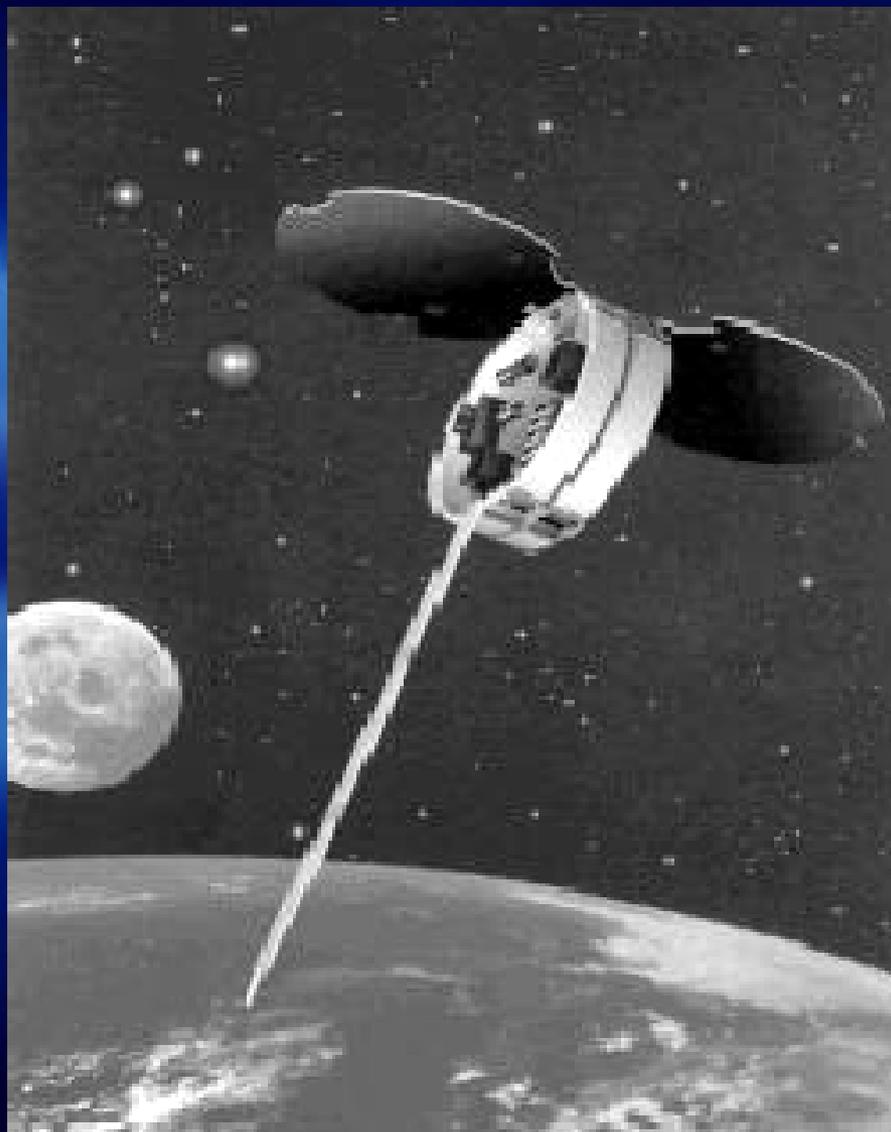


**Constant strain energy
While changing shape**

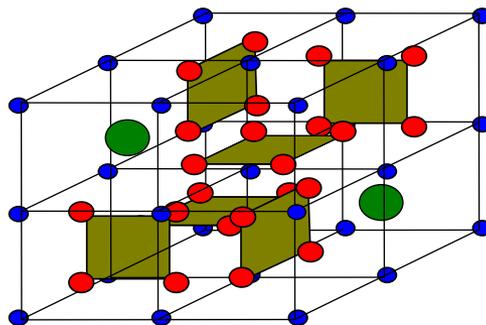


Reconfigurable Spacecraft

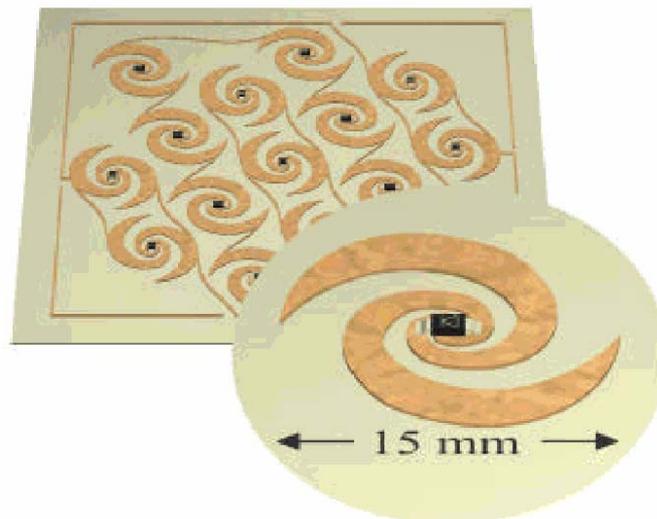




Materials for Wireless Power Transmission

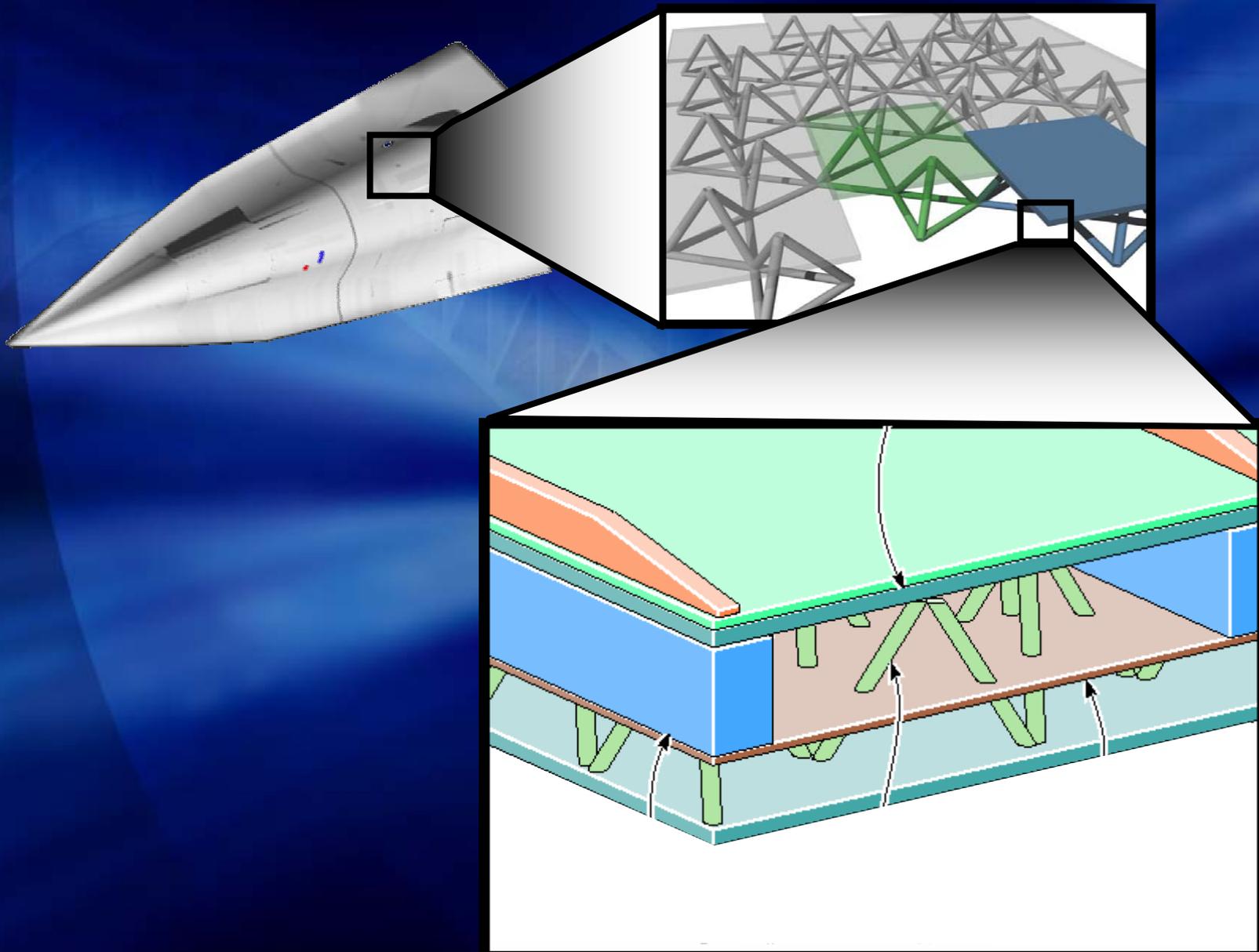


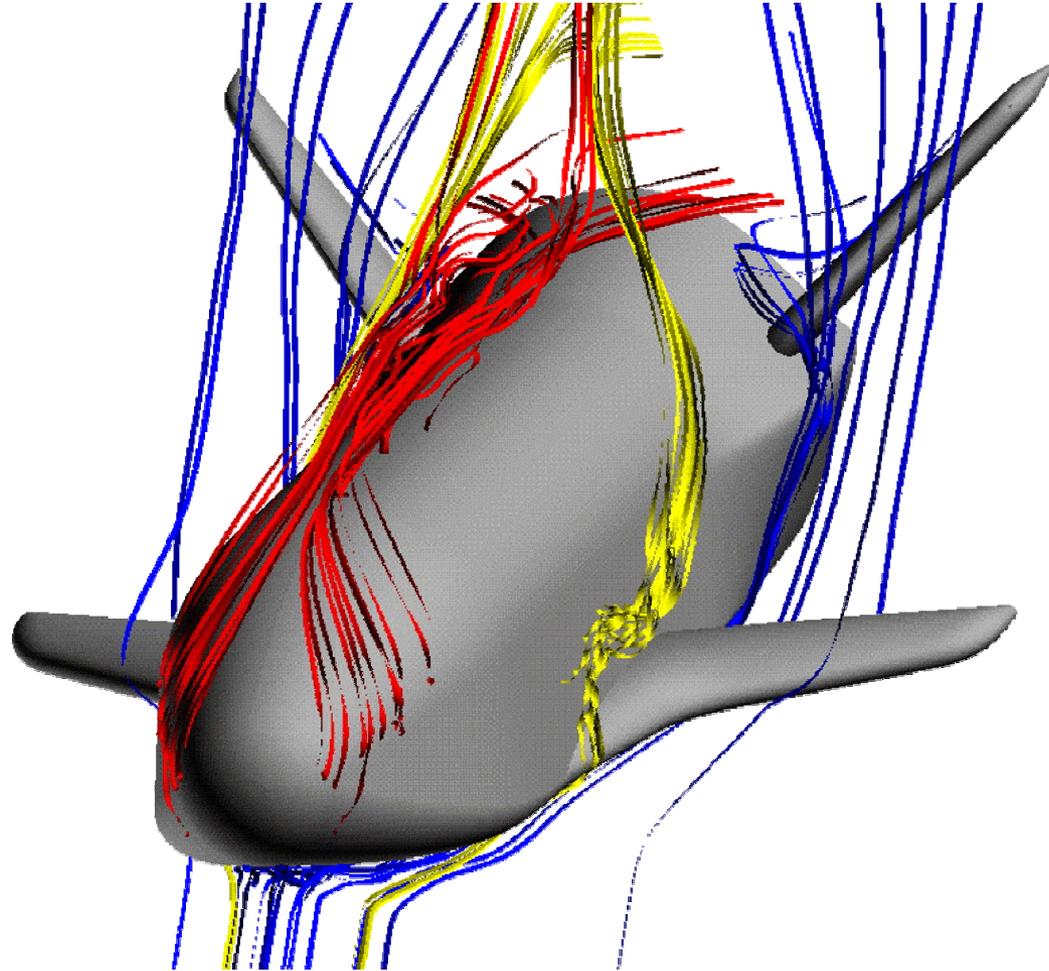
Materials



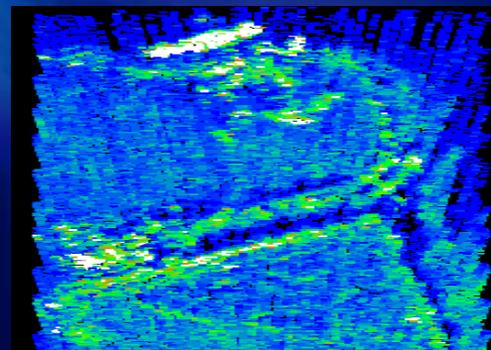
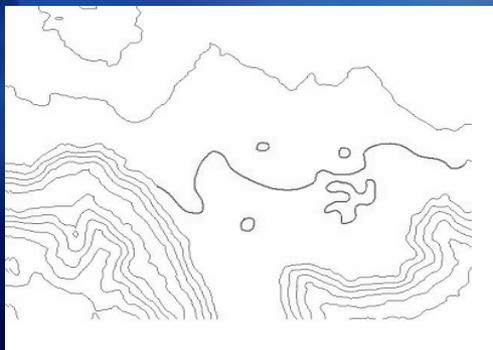
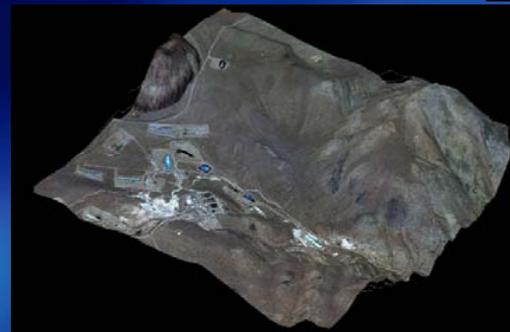
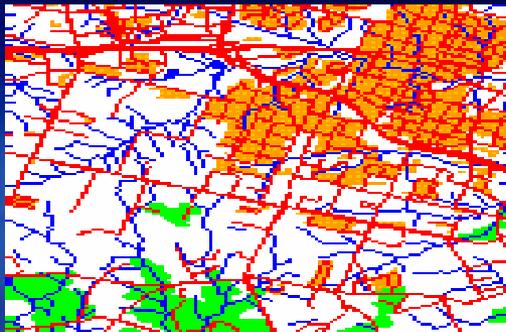
Rectifying Antenna







GEO



Spider Web in Space



**BRIDGING
DARPA
THE GAP**