

# THE CUBESAT TOOLBOX FOR MATLAB

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## CubeSat

The CubeSat Toolbox, for use with MATLAB®, provides you with the tools needed to design CubeSats - all within the MATLAB environment. The toolbox consists of the CubeSat module from the Spacecraft Control Toolbox with a subset of functions from the core toolbox; the Spacecraft Control Toolbox is not required.

**APPLICATIONS** TRADE STUDIES; VISUALIZATION; CONTROL SYSTEM DESIGN; COMMUNICATIONS LINK ANALYSIS; POWER AND THERMAL ANALYSIS; ORBIT MODELING AND SIMULATION; GENERATE ORBITS FROM TWO-LINE ELEMENT SETS; GENERATE ATTITUDE PROFILES WITH SEQUENCES OF PRIMARY AND SECONDARY ALIGNMENTS; RELATIVE ORBIT SIMULATIONS AND COORDINATE TRANSFORMATIONS; COMPUTE OBSERVATION TIME WINDOWS OF GROUND TARGETS; COMPUTE LINE OF SIGHT TO GPS SATELLITES; COMPUTE THE GROUND COVERAGE OF SENSORS POINTING IN ARBITRARY DIRECTIONS; ANIMATE THE ORBITS OF MULTIPLE SATELLITES WITH SENSOR CONES.

The toolbox is applicable to any small satellite project even though it contains CubeSat specific functions.

The license for the CubeSat toolbox is for an entire university CubeSat or nanosatellite team. Up to 10 users may register for technical support. To register a user you must send a list of user's names and their university email address. Phone support and consulting can be purchased separately.

## Price List (£)

- The CubeSat Toolbox (200.00) GBP + VAT (Team License).

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### UNITED KINGDOM

MeadoTech Ltd.

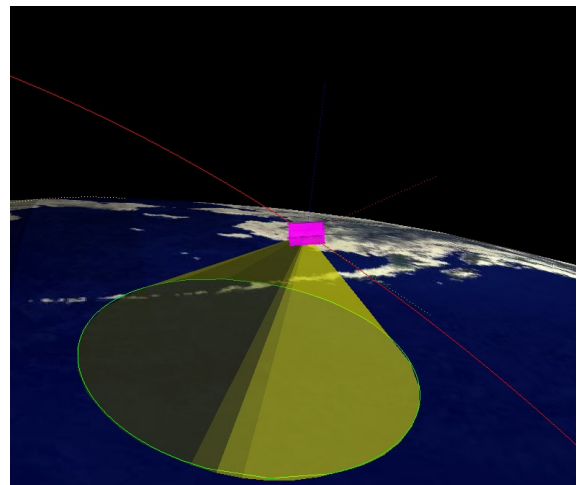
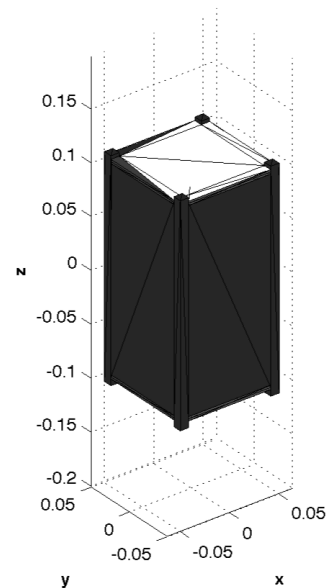
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Requires: MATLAB 7.0 or higher

Platforms: Mac, WinXP, Linux