

Matlab Programming StyleGuide

Requirements

1. Call variables clearly, if it requires to have a long name go ahead but make it clear. Don't use names that are clear only for a developer in a particular script
2. Function, script, variable name start from lower case letter: calcSunVect
3. Class name starts with upper case letter
4. Use physical constants only from corresponding class Consts. If there is something missing, please add it with proper reference and make a pull request
5. Add short script/function description introducing: purpose of the script/function, input, output
6. Add after spaces after comma in arrays: [1, 2, 3]
7. Add spaces before and after math signs: $2 * a * \cos(i) ^ 2$
8. Variables are better to be used in units according to SI system, otherwise a variable should have a include variable within name: angleDeg
9. Words separation in a variable name should be either angleDeg or angle_deg. In first case the first letter in the word should be upper case while the rest lower: rvOrb, sunVec. This applies for acronyms also: rvEci,

Suggestions

1. Put reasonable amount of comments for code sections to let people quickly get the code content and purpose