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Co G, CDW Cow (C~)c0 (Co)~o Q C~ Q~ Q. QL CLMAN CLMAX
CLMD CLus CM d D D ba bb F~ F F~E Propeller static thrust
coefficient [Eq (3.9h)] Coefficient of lifting surface mass [Eq
(6.22) and Table 6.7] Function of lifting surface mass coefficient
[Eq (6.24)]

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The aircraft design process is a loosely defined method used to balance many competing and demanding requirements to produce an aircraft that is strong, lightweight, economical and

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subsystem in the conceptual design. Over 50 core equations, hundreds of sub-core equations, and ~300 parameters are used in total to represent the satellite. Disciplines of the satellite conceptual design model are shown in Table 1. The disciplines listed in Table 1. are all strongly coupled to each other in typical conceptual-satellite design.

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