

along (23) **angle** (51) angular (37) apogee (33) around (27) behaviour (29) braking (20) calculated (30)
case (150) centre (50) change (49) chosen (21) **com** (136) conditions (39)
constructing (41) **coordinate** (77) **COS** (177) defined (24) deployed (26) deployment (50)
describe (28) discretized (24) due (20) **dynamics** (42) earth (34) **energy** (72)
equations (164) facility (62) **figure** (148) force (28) general (22) generalised (29)
given (32) gives (28) in-plane (21) **inclination** (65) increase (27) **inertial** (56) **initial** (71)
kinetic (20) **lagrange** (36) launch (26) **length** (50) linear (22) **local** (65) lunar (21) **mass** (266)
maximum (32) method (23) mfacility (29) mission (23) **mmet** (74) **model** (79) momentum (25)
motion (69) motor (38) movement (31) **orbit** (126) out-of-plane (29) outlined (23) parameters (25)
payload (83) phase (46) plane (41) plots (34) **point** (78) **position** (63) **potential** (29)
rad (44) radius (28) **recovery** (40) release (35) robot (45) **rotation** (99) satellite (30)
section (30) sequence (22) **shown** (74) shows (22) **sin** (121) solution (23) **space-web** (48)
space (47) spin-up (24) **stability** (35) **stress** (48) structure (27) sub-spans (22) symmetrical (23)
system (252) table (28) tension (38) terms (46) **tether** (449) therefore (26)
torque (35) **used** (52) **vector** (51) **velocity** (77) **web** (86)