

SPACE DEBRIS SYMPOSIUM (A6)
Poster Session (P)

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THE RESEARCH OF RESIDUAL FUEL ESTIMATION AND DRAIN JUDGE METHOD IN
SATELLITE END-OF-LIFE DISPOSAL

Abstract

According to the IADC Space Debris Mitigation Guidelines, related disposal should be implemented after satellite mission termination. The research of applicable method for residual fuel estimation and drain justification is the key technology in the disposal operation. In this paper, an improved method of residual fuel estimation is put forward for an abnormal propulsion system. A fuel justification method is also stated. At last, advice for accuracy estimation residual fuel are given.