Question 6

1 pts

Question from Concepts Test 2017-01-23

The three orbital parameters: right ascension of the ascending node (RAAN) Ω, inclination i, and argument of the perigee ω, can all be changed by applying the low-thrust propulsion vector in a certain direction with respect to the orbital plane. Assume that we have a circular orbit with an inclination $i > 0$. Assume further that the low-thrust propulsion vector is applied perpendicular to the orbital plane with a positive out-of-plane component above the equator and a negative out-of-plane component below the equator. This thrusting scheme will result in...

- ○ ...an increase of Ω.
- ◉ ...a decrease of Ω.
- ○ ...an increase of i.
- ○ ...a decrease of i.
- ○ ...an increase of ω.
- ○ ...a decrease of ω.