

/1 3) The average depth of the ocean being $H = 3200\text{ m}$, what is the maximum speed of the surface gravity wave?

/1 4) At the equator, what is the speed needed to maintain the equilibrium tide?

/2 5) What is the lowest latitude at which the tide can be in equilibrium?

/2 6) This planet orbits a large star ($M_E = 5 \times 10^{30}\text{ kg}$) at an average distance of 300,000,000 km. Is the tide created by this star stronger than that created by the satellite?

/1 7) From which TV series does this picture comes from?

