Tide generating Forces

Fig. 107. Centrifugal forces when a body \( M \) rotates around \( M^* \).

Fig. 108. Determination of intensity and direction of the tide generating forces resulting from the difference between attractive and centrifugal forces. ———>, open arrows: attractive forces; \( \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \), hatched arrows: centrifugal forces; ———>, black arrows: tide generating forces.

Fig. 111. Left: distribution of the horizontal component of the tide generating force when the moon is in the equator. Right: same when the moon has a positive declination of 23°N.