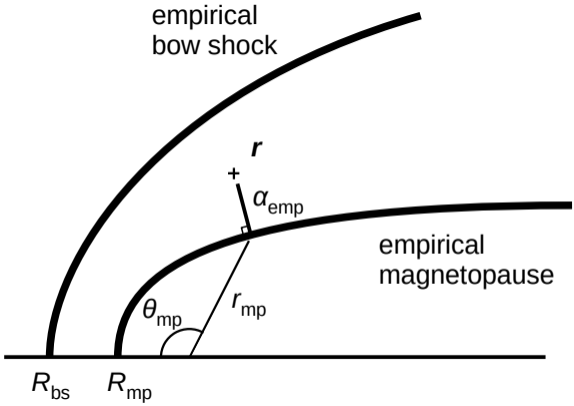


empirical
bow shock



empirical
magnetopause

R_{bs}

R_{mp}

θ_{mp}

r_{mp}

r

+

α_{emp}