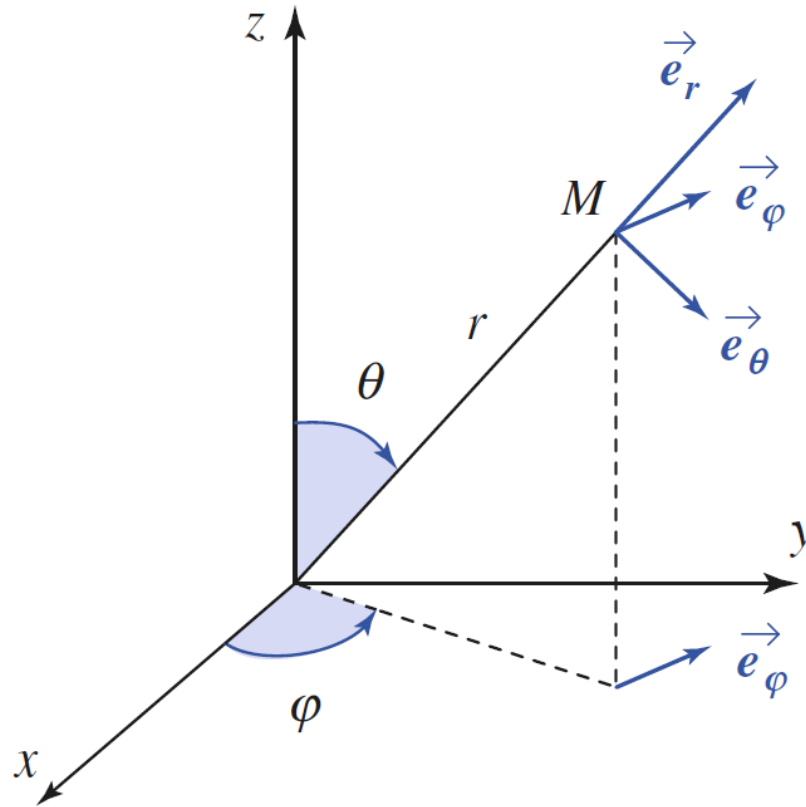


L.P. 02 - Gravitation

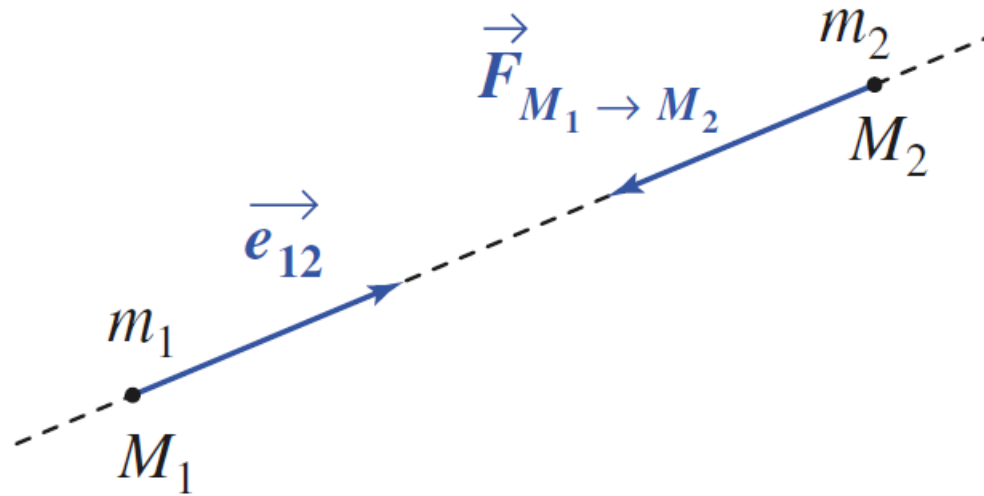
Marchetti Benjamin

1. Force centrale conservative

Définition

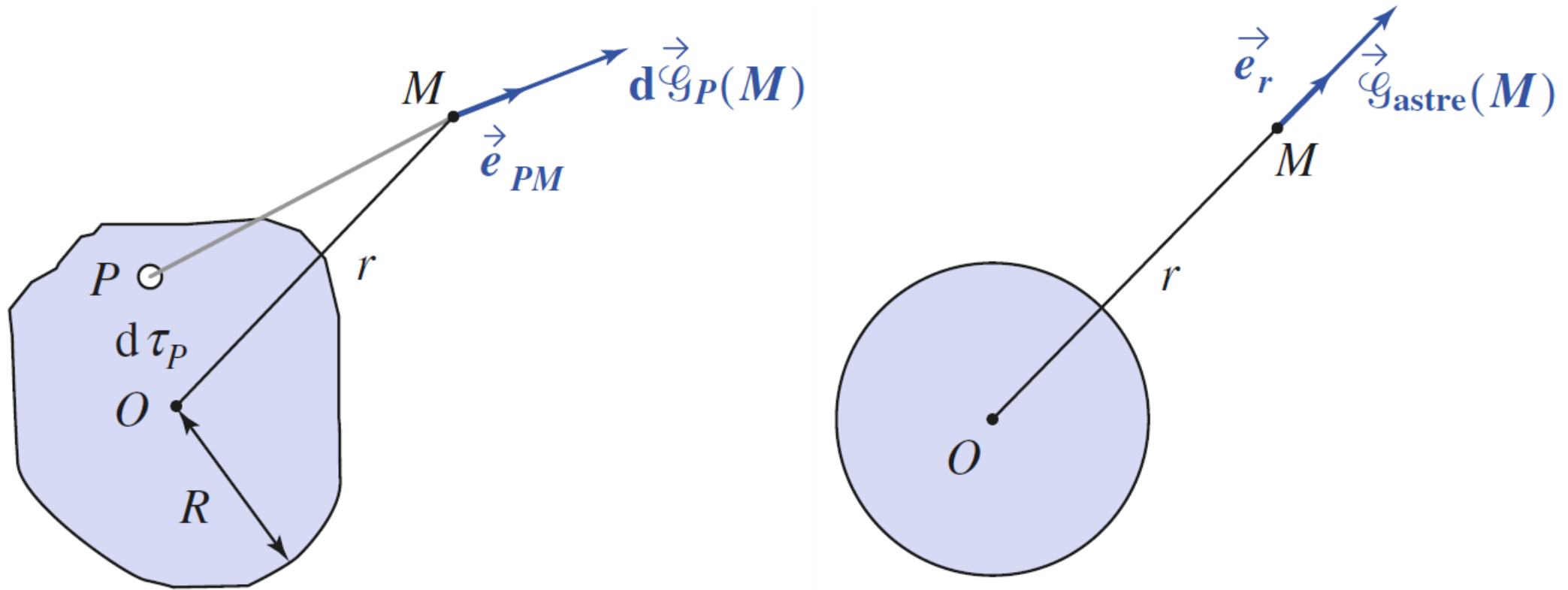


1. Force centrale conservative Interaction gravitationnelle

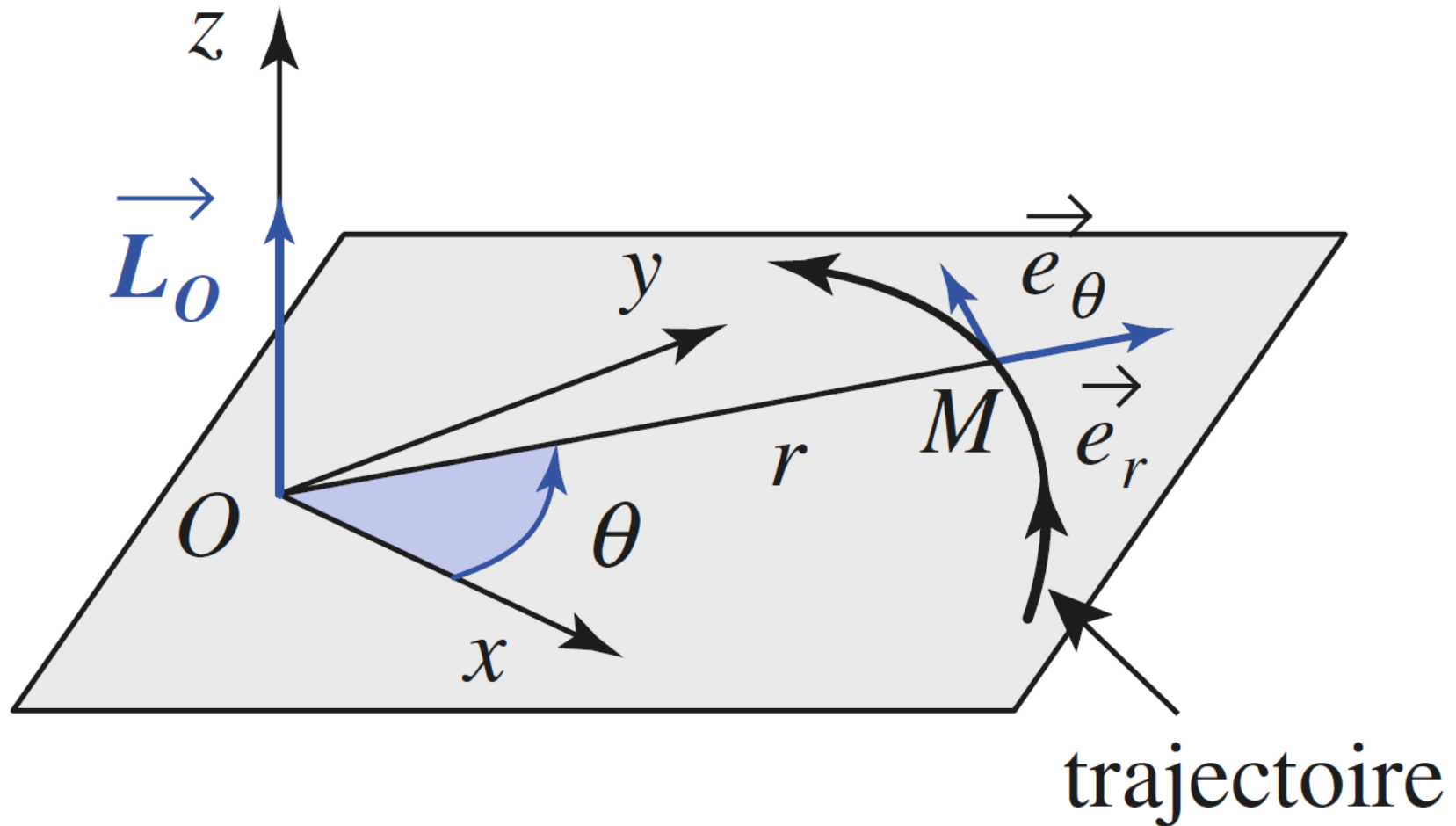


1. Force centrale conservative

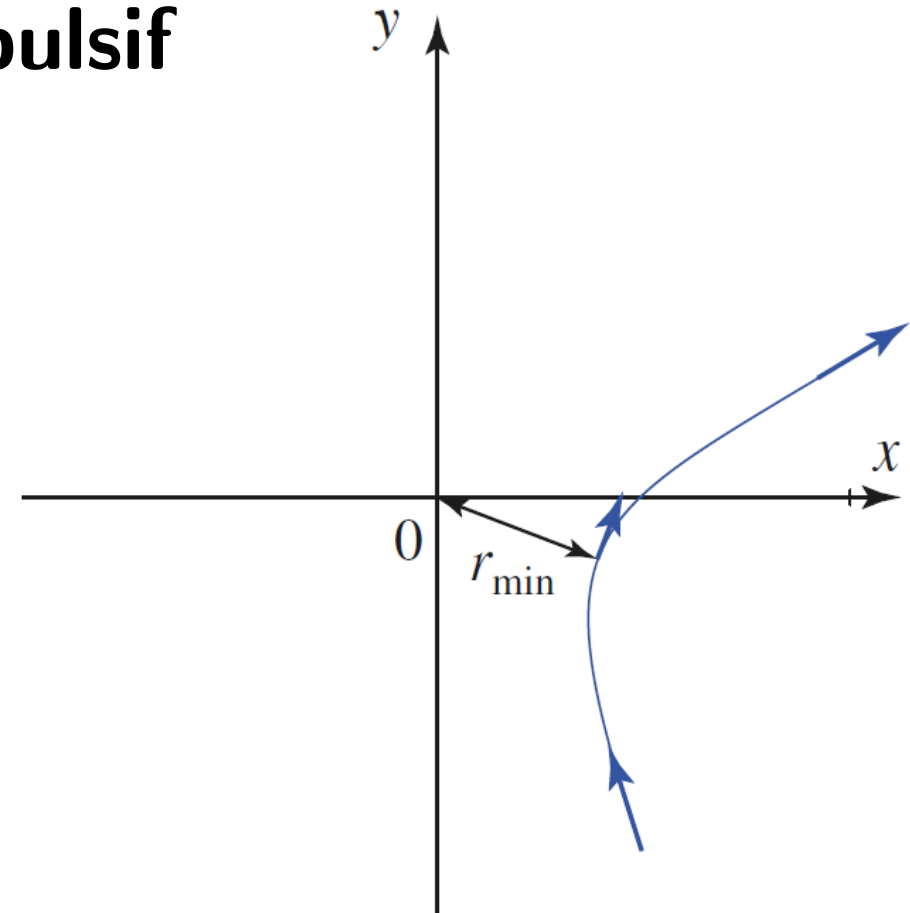
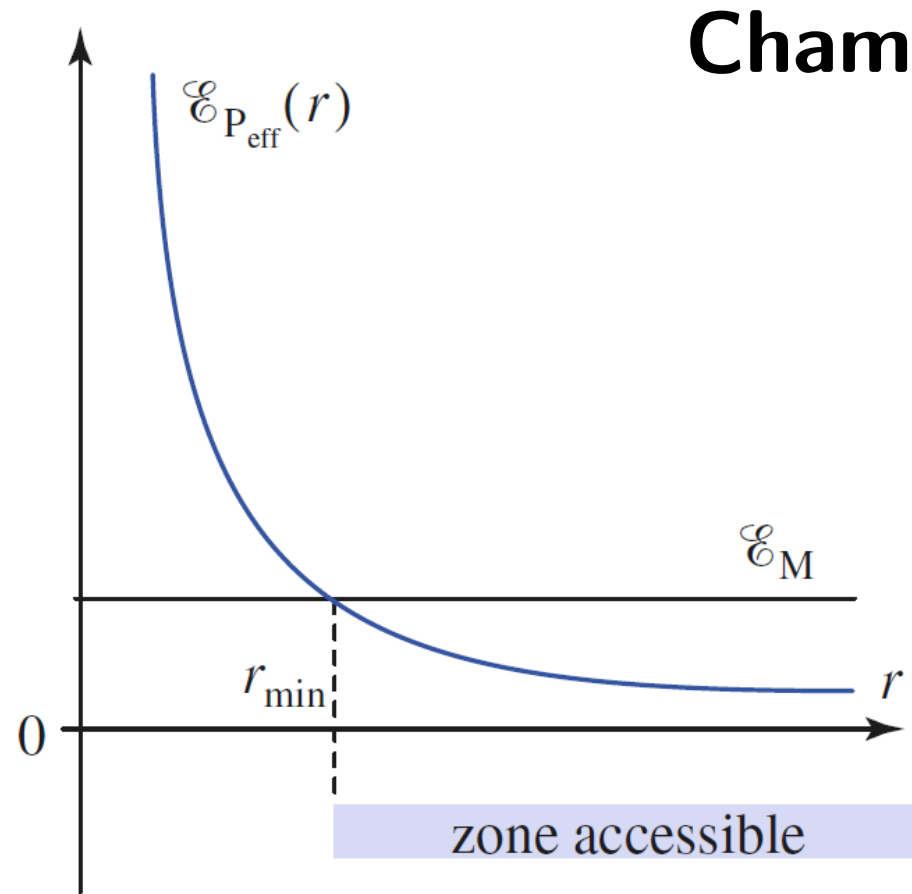
Champ de gravitation d'un astre



2. Mouvement à force centrale Description du mouvement

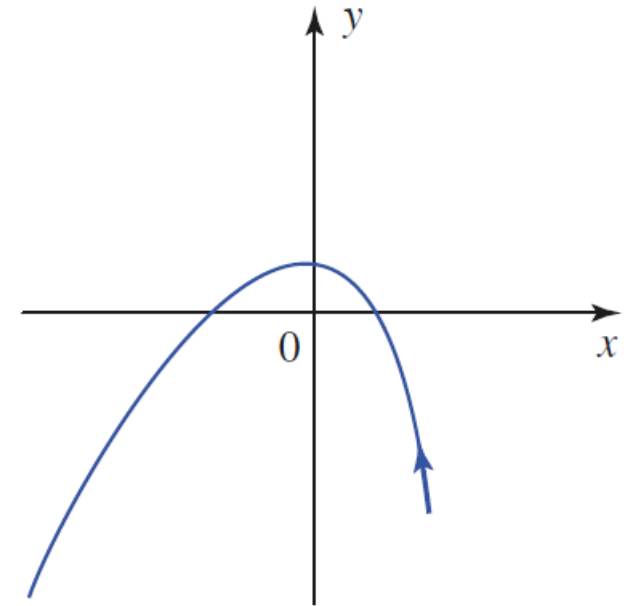
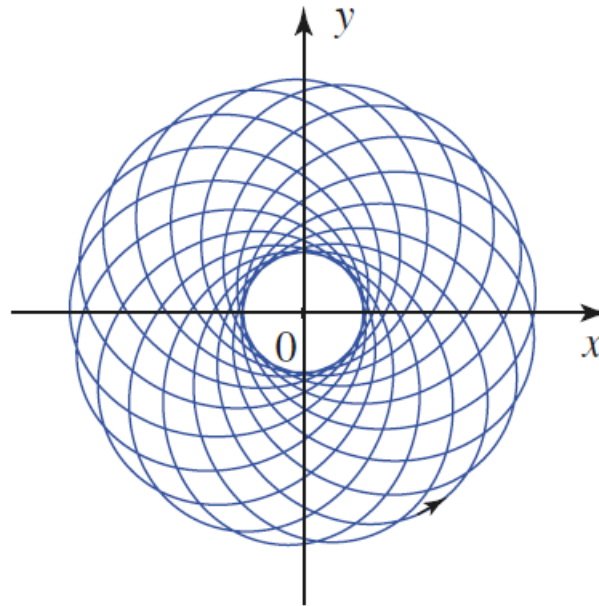
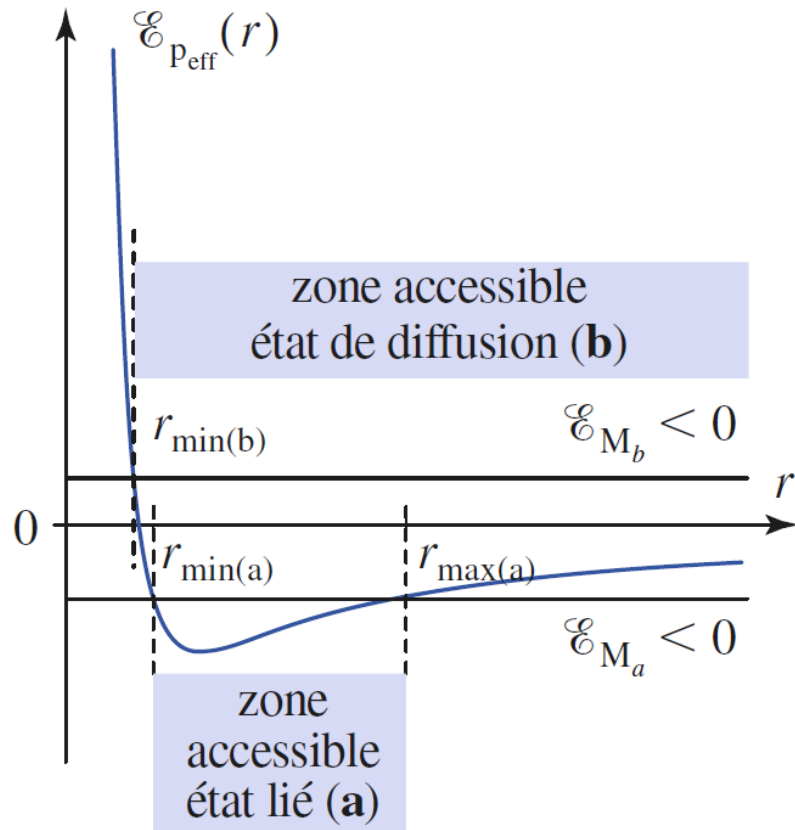


2. Mouvement à force centrale Cas de quelques mouvements



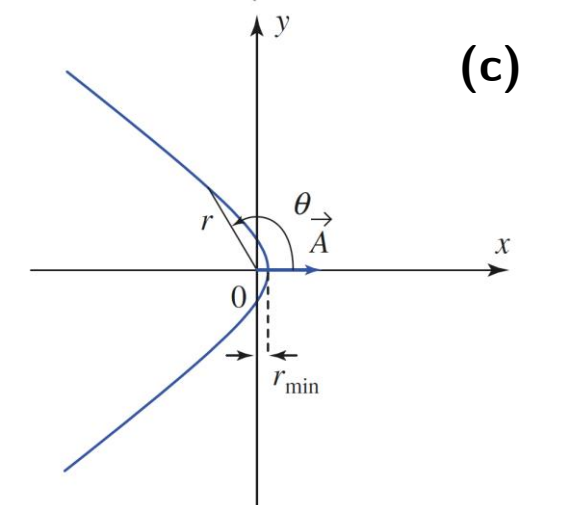
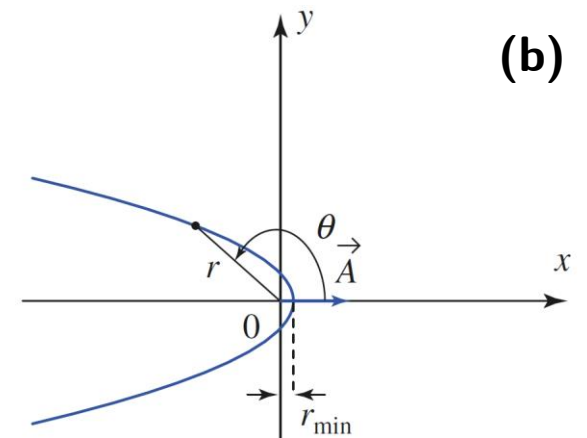
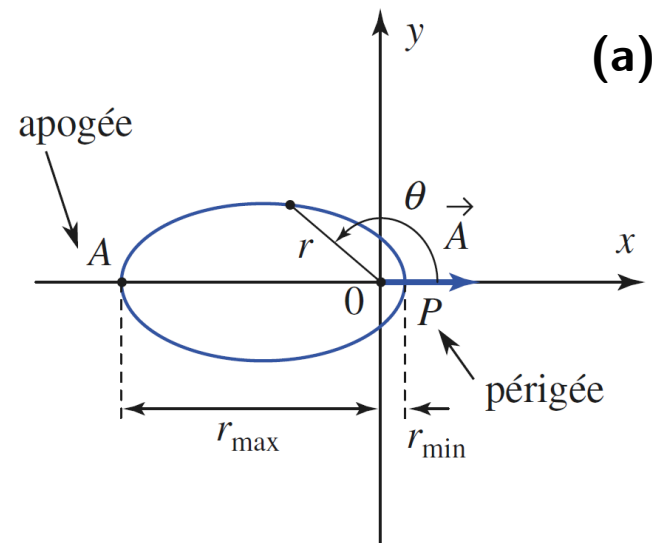
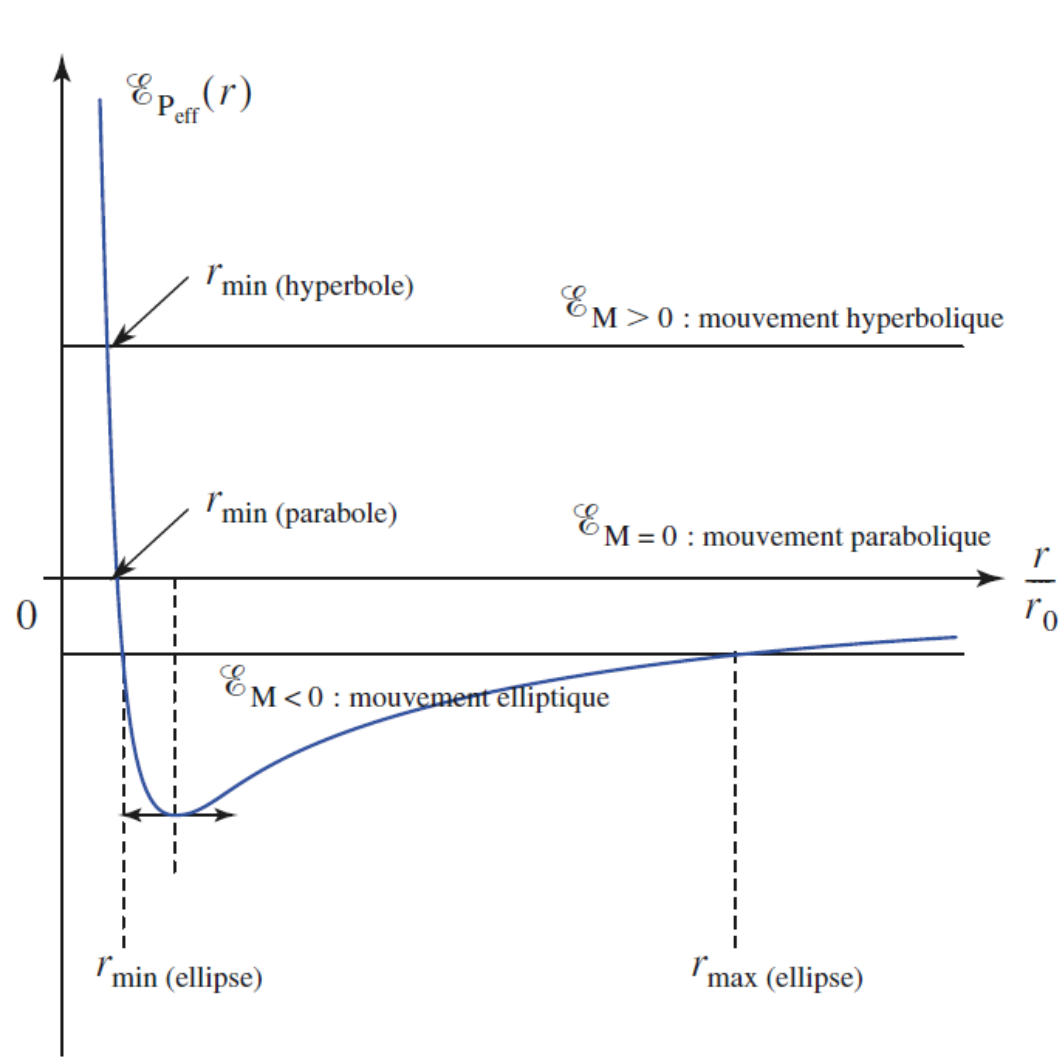
2. Mouvement à force centrale Cas de quelques mouvements

Champ attractif



3. Mouvement dans un champ newtonien

Représentation du mouvement



- $E_m < 0$: elliptique (a)
- $E_m = 0$: parabolique (b)
- $E_m < 0$: hyperbolique (c)