

Gravity Parabolic
curve 1 back to near
future location of
moon

Gravity Parabolic
curve 2 back to near
future location of
moon

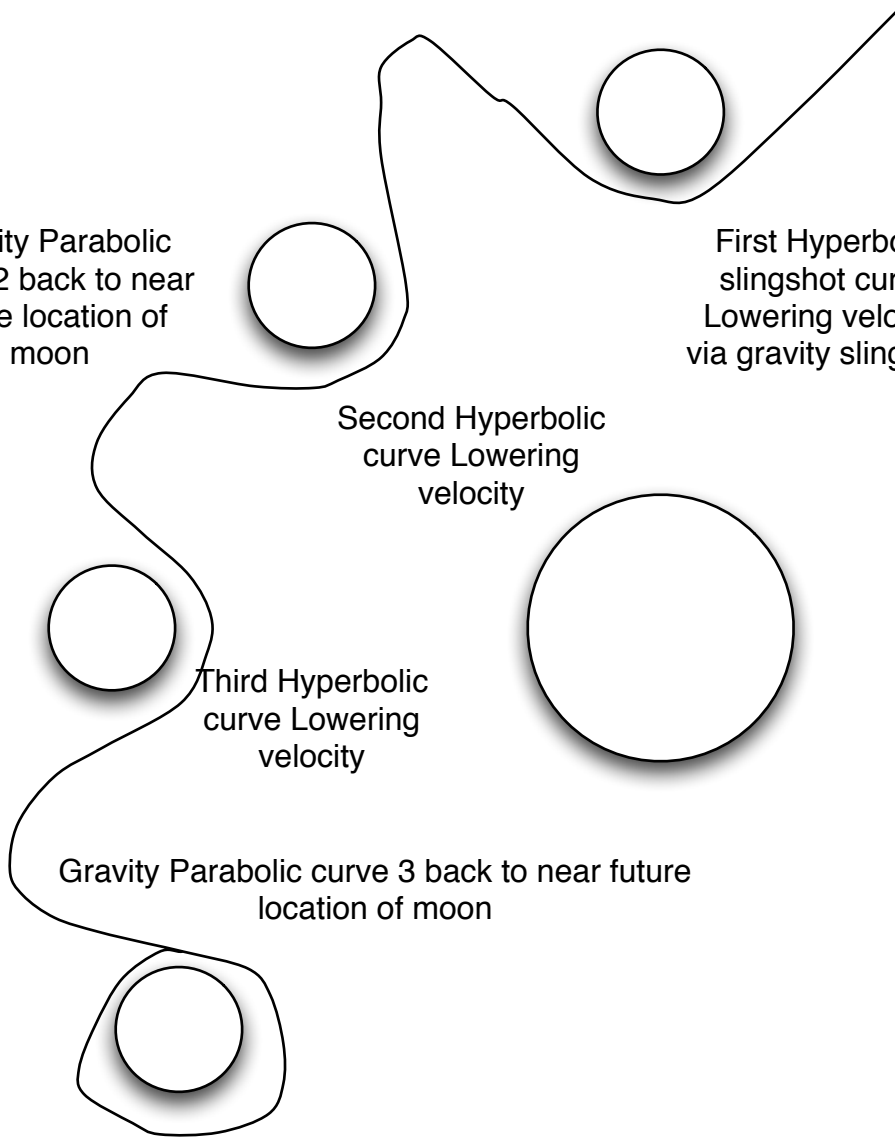
First Hyperbolic
slingshot curve
Lowering velocity
via gravity slingshot

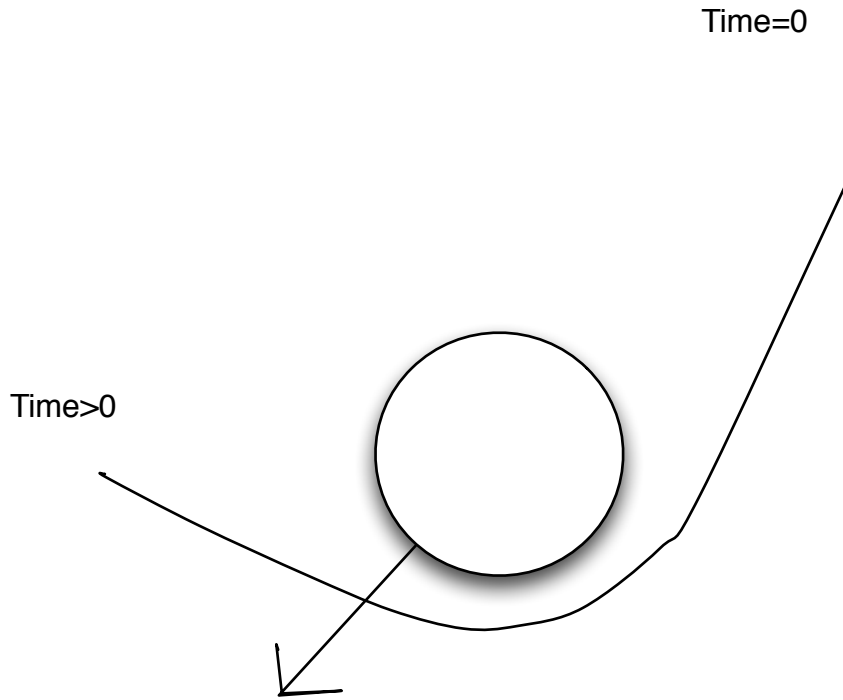
Second Hyperbolic
curve Lowering
velocity

Third Hyperbolic
curve Lowering
velocity

Gravity Parabolic curve 3 back to near future
location of moon

Lunar Capture





Lunar slingshots that slow do so because the initial trajectory is more in line with lunar velocity than the final trajectory