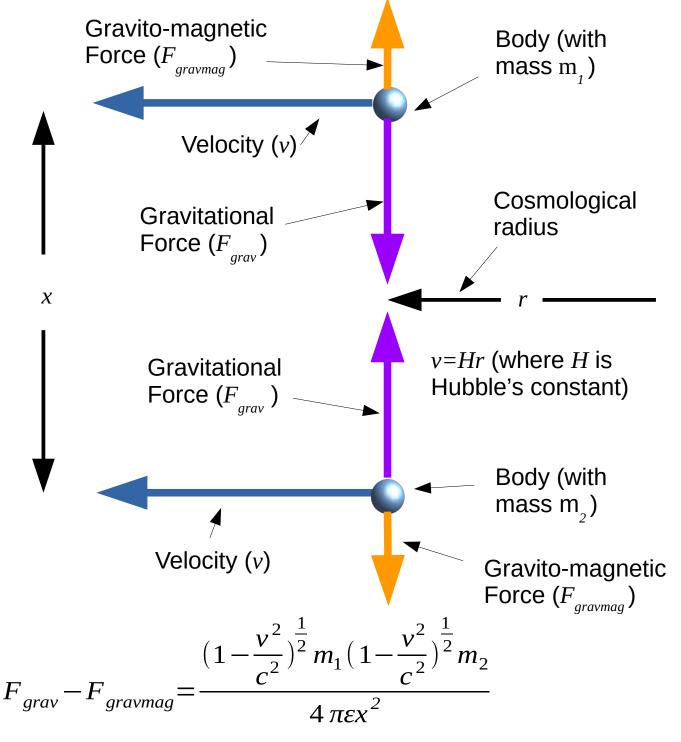
Figure 5. Gravitational and gravito-magnetic forces between two massive bodies

Gravitational and gravito-magnetic forces on two masses a distance (x) apart both moving with a velocity (v) and at a distance (r) from a central comoving observer.



As the velocity (v) approaches the speed of light (c), the resultant force on each mass (F_{grav} - $F_{gravmag}$) approaches zero.