

Hildas vs main belt collisions:

D_target = 100.0 km
d_disrupt = 20.6090544885872 km
f_disrupt = $2.48 \times 10^{-11} \text{ yr}^{-1}$
tau_disrupt = 40322580645.1613 yr = 40.3225806451613 Gyr
n_events = 0.0992

Hildas vs main belt, but for larger bodies:

D_target = 200.0 km
d_disrupt = 65.4296695505066 km
f_disrupt = $9.92 \times 10^{-13} \text{ yr}^{-1}$
tau_disrupt = 1008064516129.03 yr = 1008.06451612903 Gyr
n_events = 0.003968

main belt vs main belt:

D_target = 100.0 km
d_disrupt = 22.0775631941343 km
f_disrupt = $3.1 \times 10^{-9} \text{ yr}^{-1}$
tau_disrupt = 322580645.16129 yr = 0.32258064516129 Gyr
n_events = 12.4

Trojans vs Trojans:

D_target = 100.0 km
d_disrupt = 19.4838346888496 km
f_disrupt = $8.26848 \times 10^{-11} \text{ yr}^{-1}$
tau_disrupt = 12094121289.5236 yr = 12.0941212895236 Gyr
n_events = 0.3307392