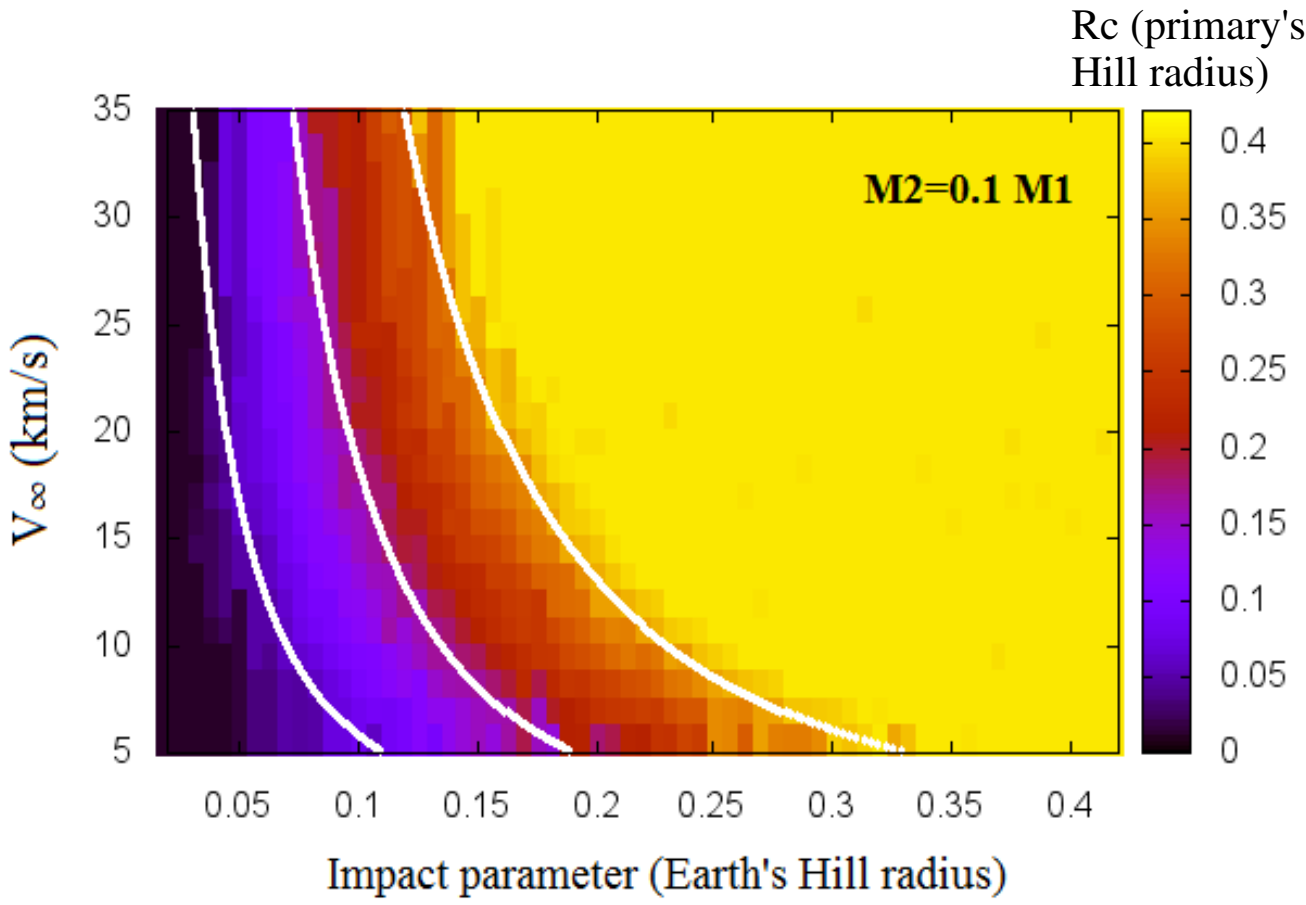
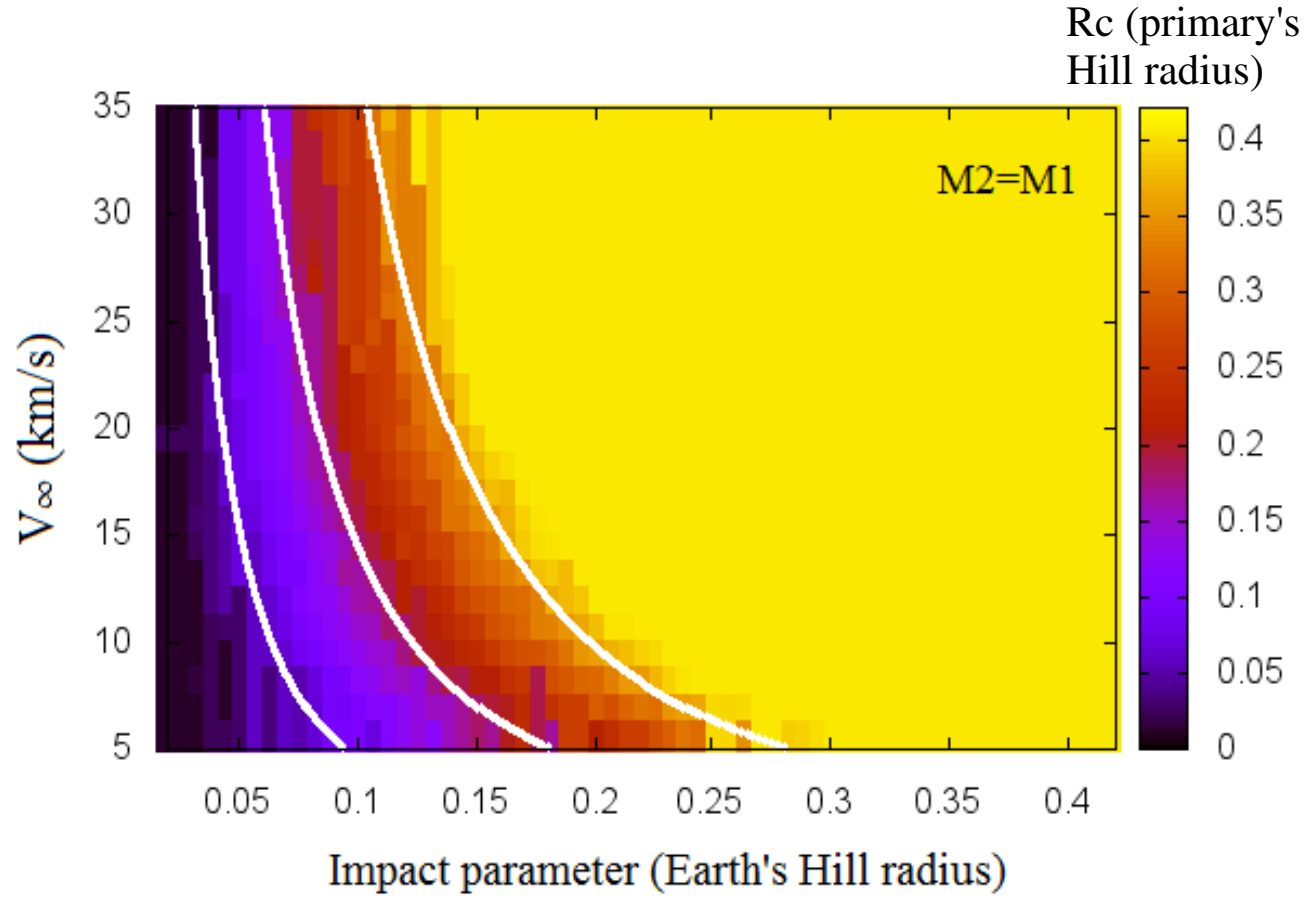

Rc (primary's Hill radius)
M2=0.1 M1
V∞ (km/s)
35
30
25
20
15
10
5
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Impact parameter (Earth's Hill radius)

(a)


Rc (primary's Hill radius)
M2=M1
V∞ (km/s)
35
30
25
20
15
10
5
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Impact parameter (Earth's Hill radius)

(b)