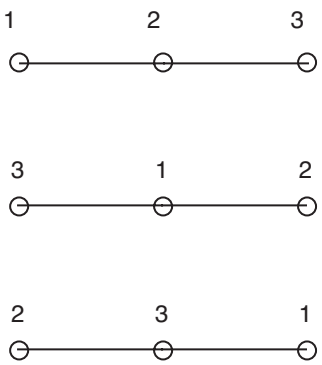

Figure 1: The three types of syzygies.

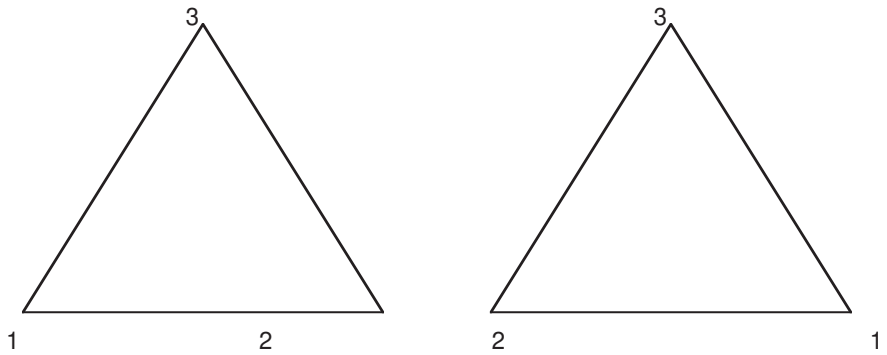

Figure 2: The two Lagrange configurations.

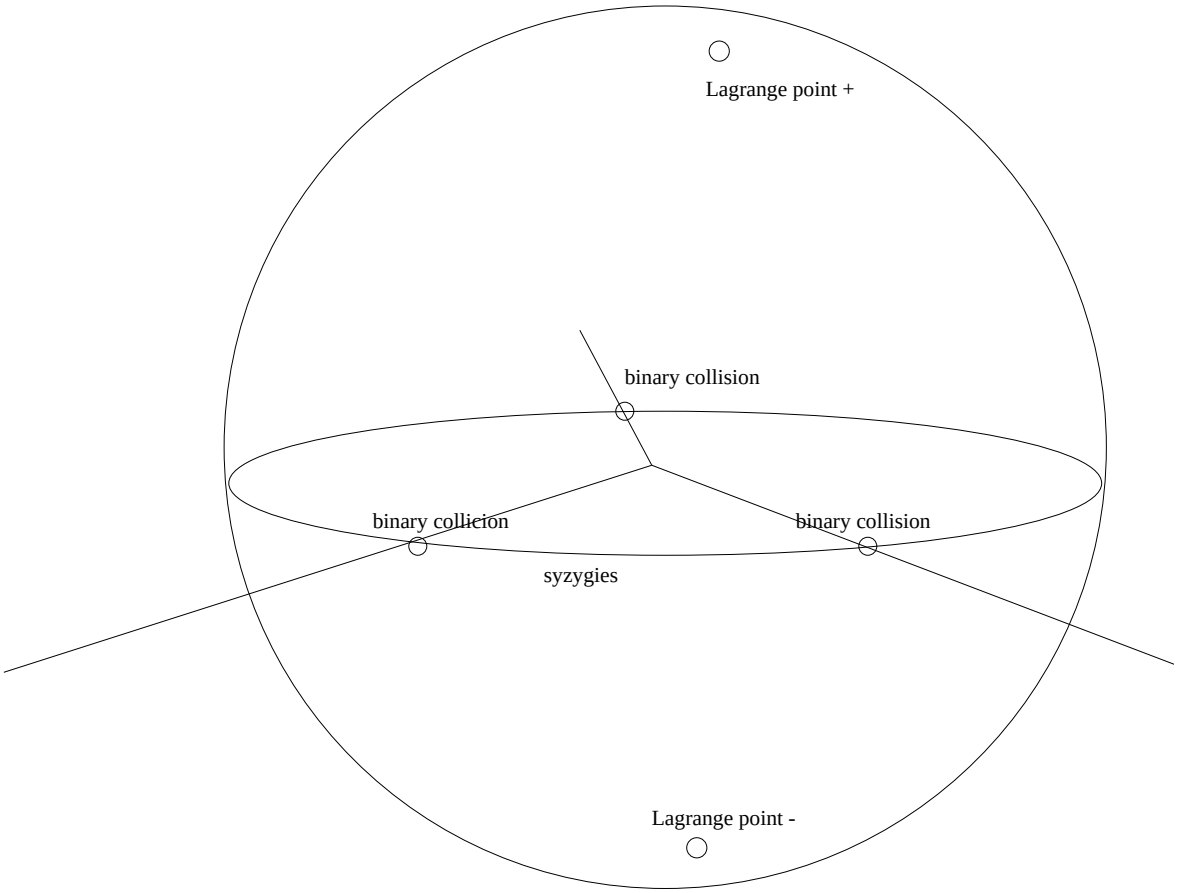

Figure 3: The shape sphere.

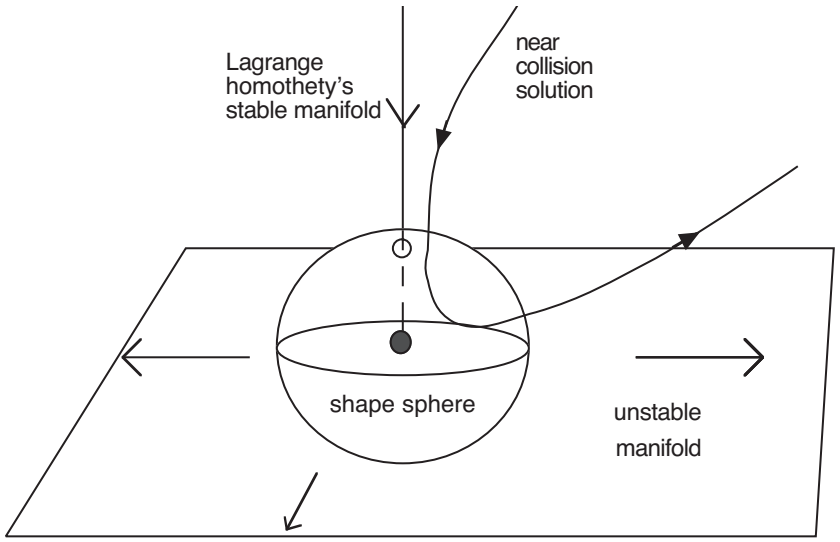

Figure 4: A near-collision orbit.

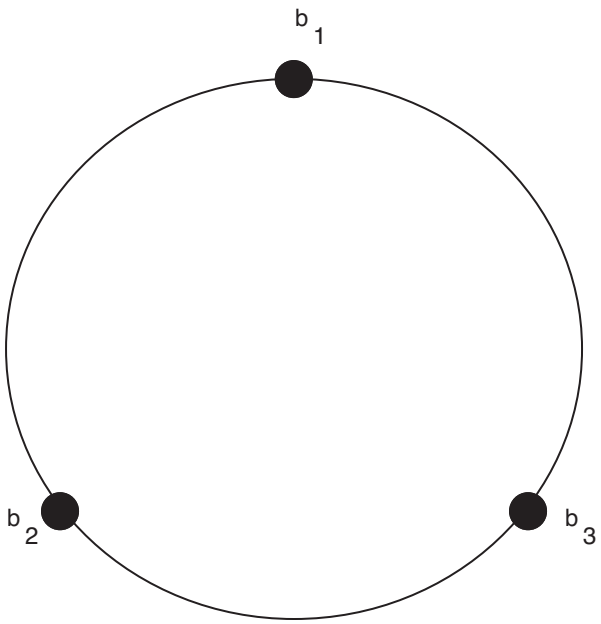

Figure 5: The arrangement of binary collision configurations on the shape equator.

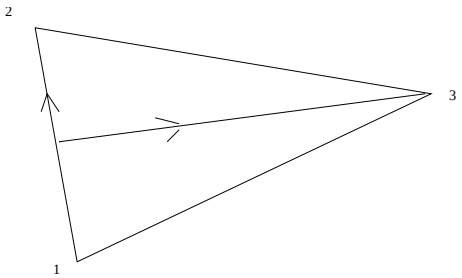

Figure 6: The Jacobi vectors.