

Periodic Solutions to the N Body Problem
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 UCSC, Spring 2004

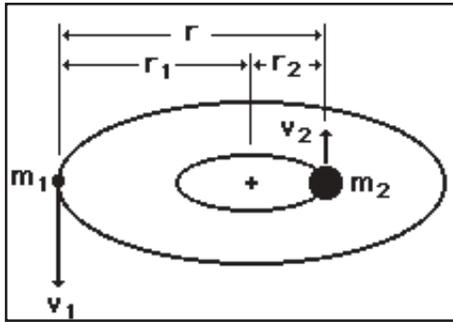


Figure 1. Two Body System

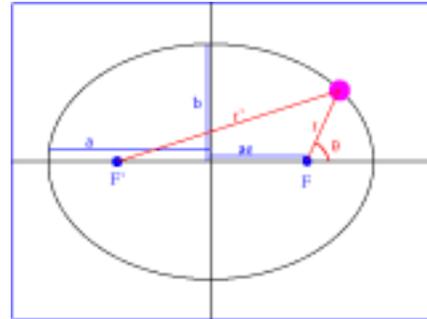


Figure 2. An Ellipse

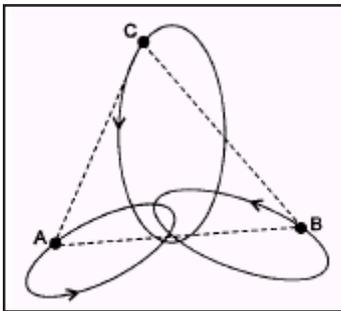


Figure 3. Three Body Lagrange Solution

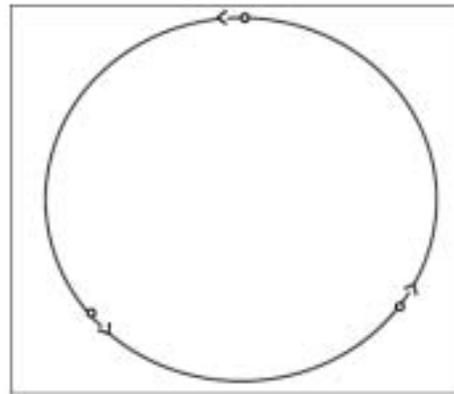


Figure 4. Lagrange with Equal Masses

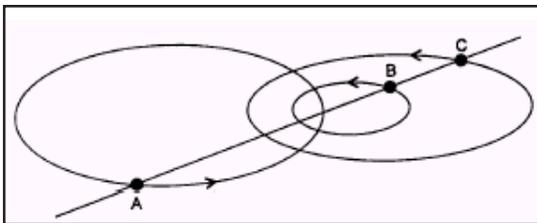


Figure 5. Three Body Euler Solution

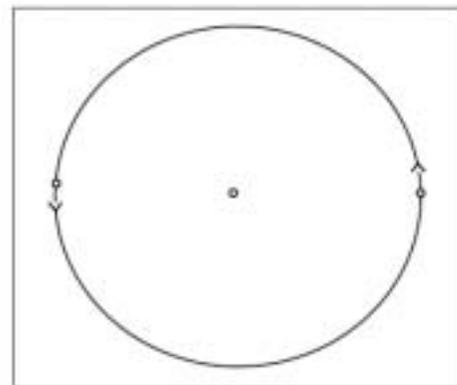


Figure 6. Euler with Equal Masses

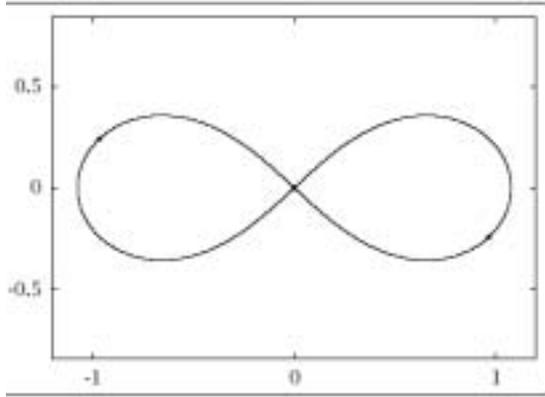


Figure 7. The Eight with Equal Masses

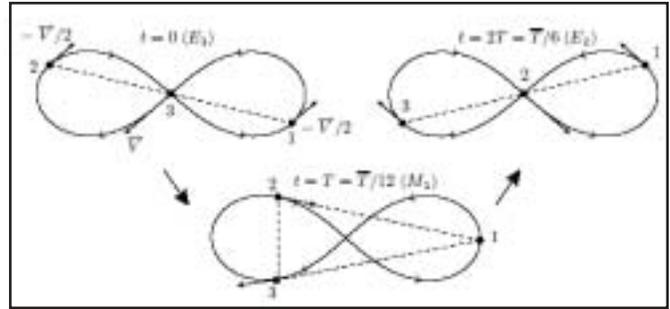


Figure 8. How the Eight Changes with Time

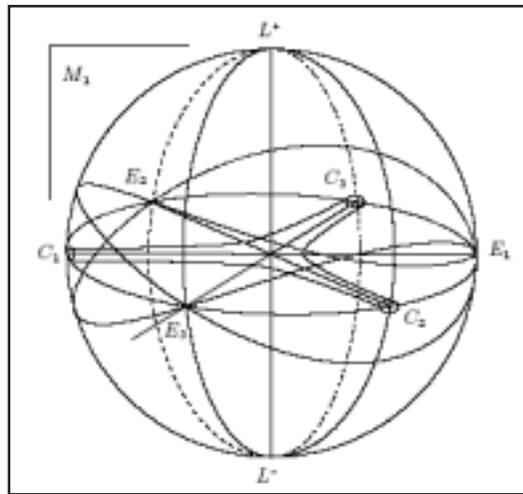


Figure 9. Shape Space for Three Bodies

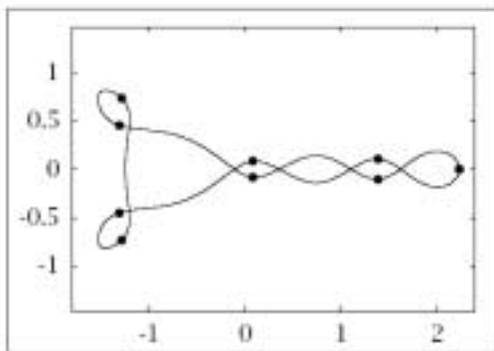


Figure 10. A choreography of nine bodies.

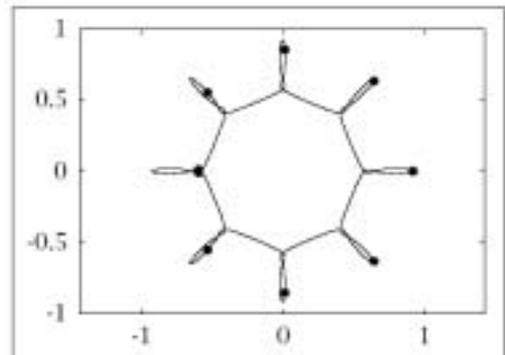


Figure 11. A floral arrangement with eleven bodies.