(1) The initial coordinates and velocities of the galaxy center are set up for galaxy A and galaxy B exactly as described in Part I. In addition, galaxy A and galaxy B are rotated to produce inclination angles $i_{A}, i_{B}$ and arguments $\omega_{A}, \omega_{B}$ for the pericenter.
(2) The inclination angles and the arguments of the pericenter are given by one of the follwoing three choices:
(a) $i_{A}=15^{0}, i_{B}=60^{0}, \omega_{A}=-90^{\circ}, \omega_{B}=-90^{\circ}$,
(b) $i_{A}=25^{0}, i_{B}=40^{\circ}, \omega_{A}=-90^{\circ}, \omega_{B}=-90^{\circ}$,
(c) $i_{A}=25^{0}, i_{B}=40^{0}, \omega_{A}=-30^{0}, \omega_{B}=60^{0}$.

You will find the definitions of those angles in Toomre and Toomre in Fig.6. The paper is posted in Lecture 14.
(3) Chose one pair from the following allowed initial data: $R_{\text {init }}=44$, or $R_{\text {init }}=42, R_{0}=2.5$, or $R_{0}=$ 3.0. This defines twelve combinations. Each student will sign up with the TA for one of the combinations. They all have to be different.
(4) Generate the corresponding treebodi data file for input to treecode.

