Assignment 9: Due March 25, 2010.

**Problem 1.** Determine the RHS $\hat{\gamma}^\alpha$ of the acceleration equation in the $r-p$ formulation, where $\alpha \in \{DP1, DP2, D, CD\}$ (see the class notes of March 16).

**Problem 2.** Extend the MATLAB code you have implemented so far to support the computation of the RHS $\hat{\gamma}^\alpha$ of the acceleration equation in the $r-p$ formulation, where $\alpha \in \{DP1, DP2, D, CD\}$.

**Problem 3 [BONUS PROBLEM].** Obtain the matrix form of the EOM for a system of rigid bodies when using the set of Euler Angles as the generalized coordinates that capture the orientation of each rigid body in the system.