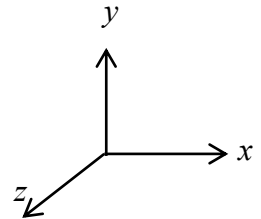
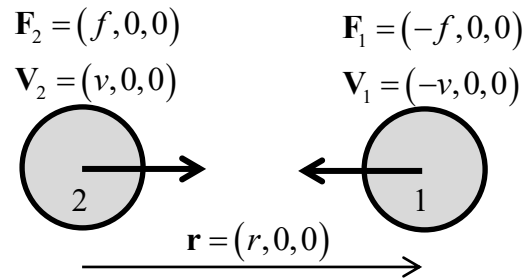


### Homework #3

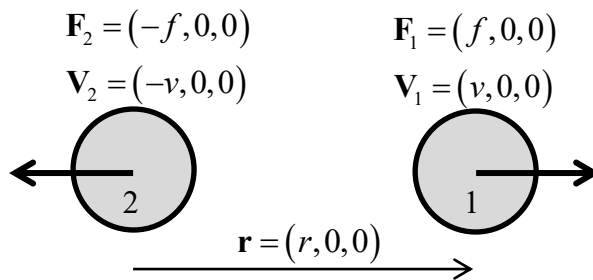
Ryoichi Yamamoto

Calculate the force curves  $f/v$  for the situations shown below and draw them as a function of the pair separation  $r$ . Try all the three different representations of  $\mathbf{H}_{nm}$  and use the same physical parameters summarized in the previous page.

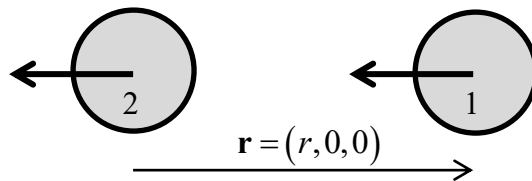
1) Approaching



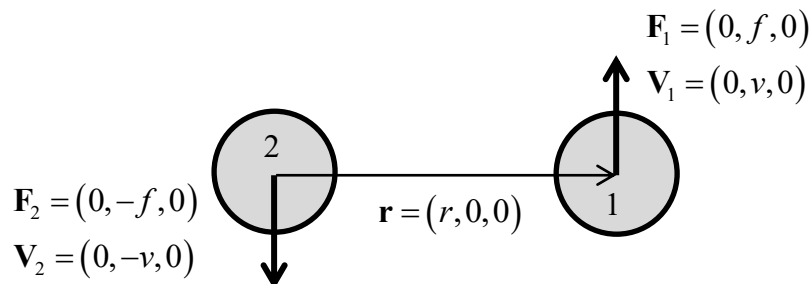
2) Departing



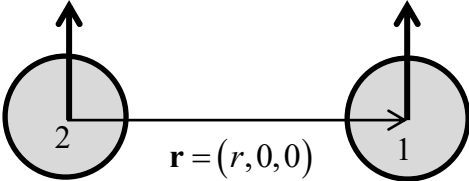
3) Tandem



4) Sliding



5) Parallel



(Example of graph)

