% check seperability of DIDI and PARA (0.01:0.01:1)

%[rnoiseps05,rps05] = check\_separability(DIDI,PARA);

plot(rnoiseps05,rps05,'Color','k','LineWidth',3);

set(gca,'FontSize',16)

set(gca,'xtick',0:0.2:1);

xlabel('EEMD Noise Level','FontSize',20);

ylabel('Root Mean Square','FontSize',20);

% check orthognality

%[rnoise,r] = check\_ortho(DIDI,PARA);

plot(rnoise,r,'Color','k','LineWidth',3);

set(gca,'FontSize',16)

set(gca,'xtick',0:0.2:1);

xlabel('EEMD Noise Level','FontSize',20);

ylabel('Non-orthogonal Leakage ','FontSize',20);