clear variables

close all

cd('Automatization')

load('umax\_1.txt');

load('umax\_2.txt');

load('umax\_3.txt');

umax = {umax\_2 umax\_3};

for i = 1:2

successrate(i) = sum(umax{i}(:,3) == 1)./length(umax{i}(:,3)).\*100;

end

colors = [0 0 0; 0.7 0.7 0.7; 0.7 0.7 0.7];

figure;

hold on

plot([0.05 1],[0.05 1],'--k')

for i = 1:2

for j = 1:length(umax{i})

if umax{i}(j,3) == 2

plot(umax{i}(j,2)./100,umax{i}(j,1)./100,'o','color',colors(i,:))

else

plot(umax{i}(j,2)./100,umax{i}(j,1)./100,'.','Color',colors(i,:),'markersize',10)

end

end

p(i) = plot(NaN,NaN,'.','color',colors(i,:));

end

% p(i+1) = plot(NaN,NaN,'ok');

% p(i+2) = plot(NaN,NaN,'.k','markersize',10);

set(gca,'Yscale','log')

set(gca,'Xscale','log')

legend([p(1) p(2)],'Defaunated','Mokbaai')

legend BOXOFF

xlabel('u\_{cr} visual (m s^{-1})')

ylabel('u\_{cr} automatic (m s^{-1})')