

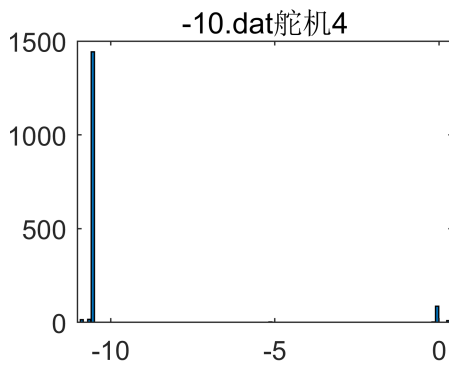
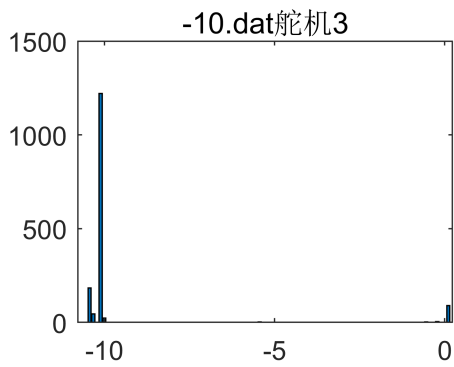
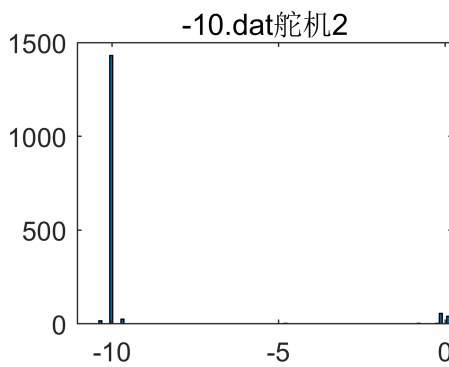
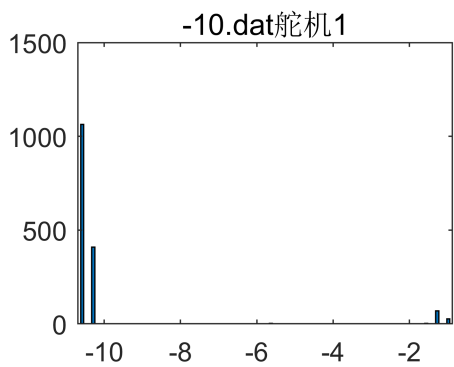
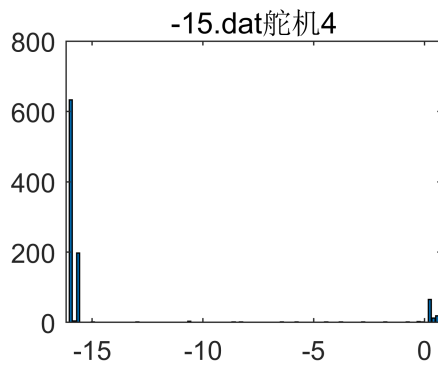
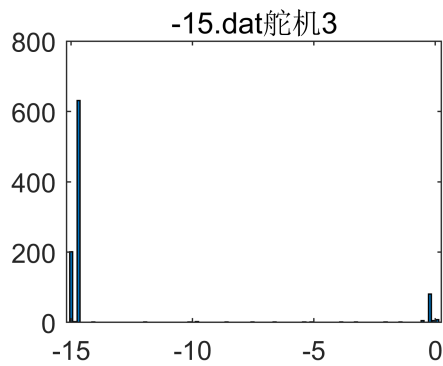
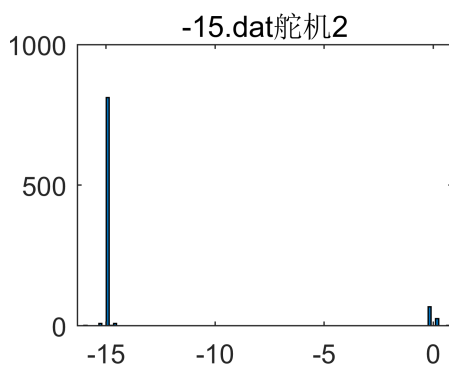
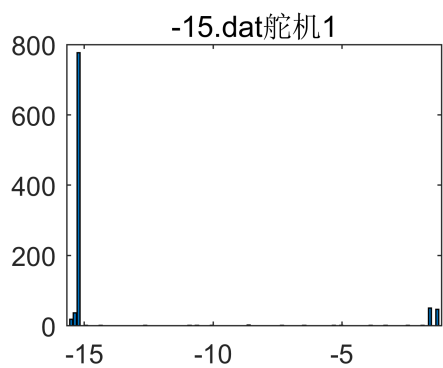
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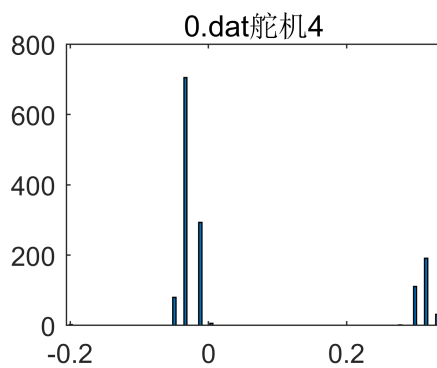
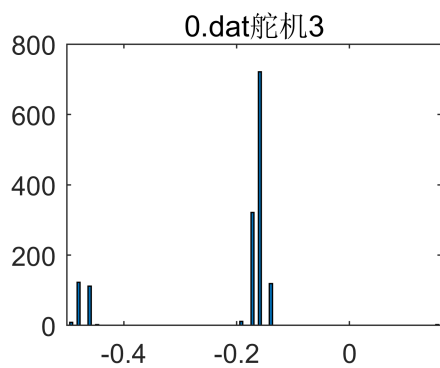
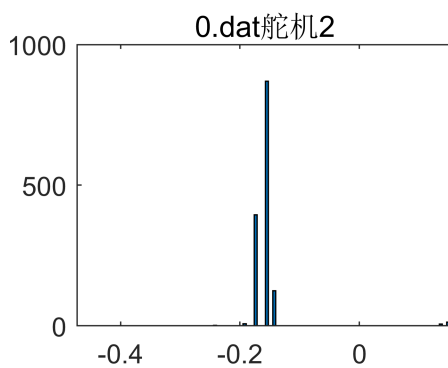
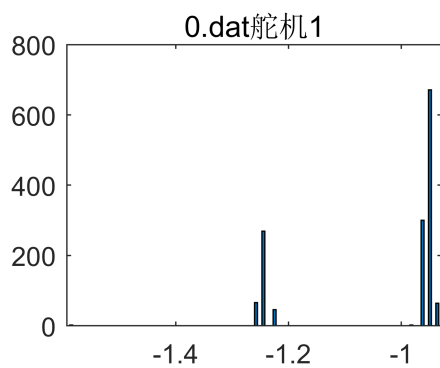
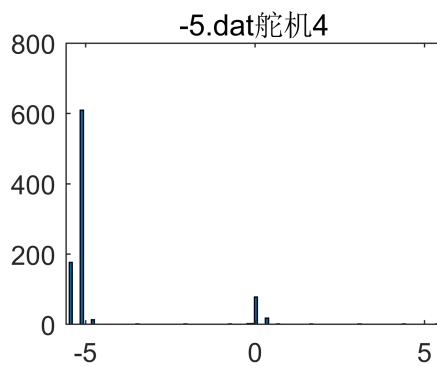
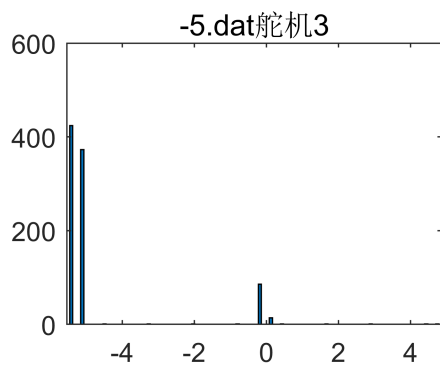
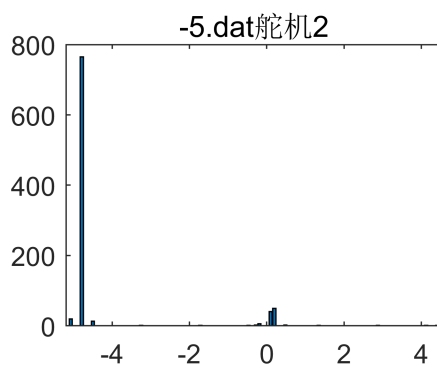
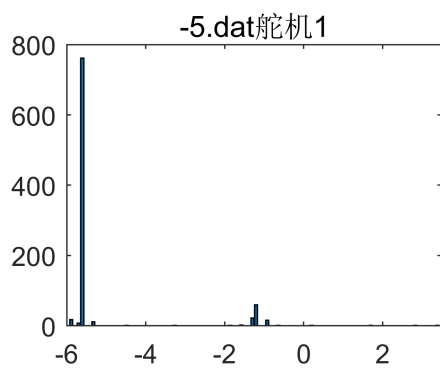
clear;
close all;
files={'-15.dat','-10.dat','-5.dat','0.dat','5.dat','10.dat','15.dat'};
angs=[-15,-10,-5,0,5,10,15];
means=zeros(7,4);
n=3;
ps=zeros(4,n+1);
for i=1:7
    file=files(i);
    ang=angs(i);
    dataair=readdat(char(file));
    if(i~=4)
        data=removezero(dataair);
    else
        data=dataair(100:end,:);
    end
    meani=mean(data);
    means(i,:)=meani(6:9);
    fg=figure(i);

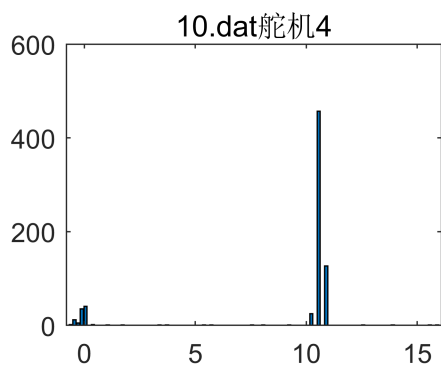
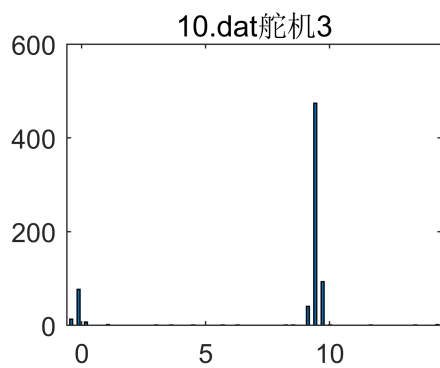
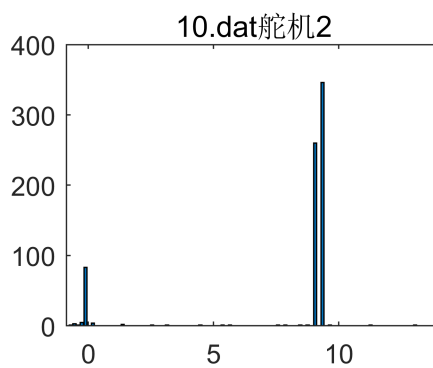
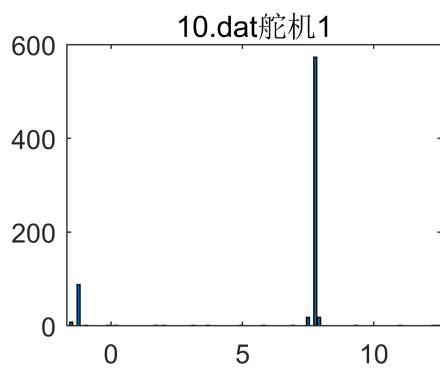
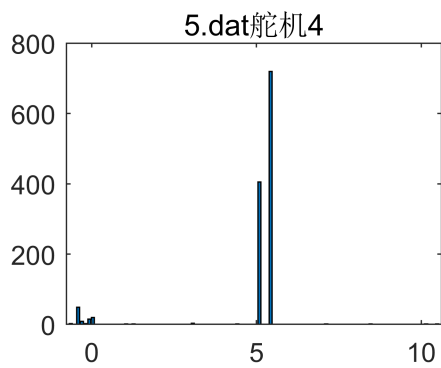
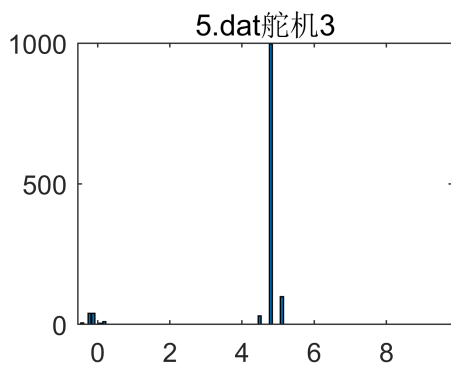
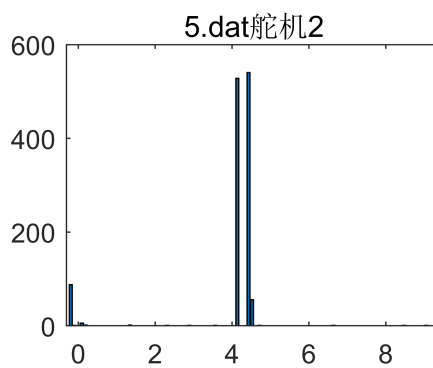
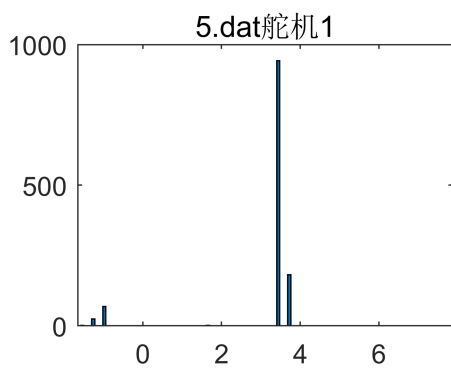
    subplot(2,2,1);
    analysis(char(file),1);
    title([char(file),'舵机1']);
    subplot(2,2,2);
    analysis(char(file),2);
    title([char(file),'舵机2']);
    subplot(2,2,3);
    analysis(char(file),3);
    title([char(file),'舵机3']);
    subplot(2,2,4);
    analysis(char(file),4);
    title([char(file),'舵机4']);

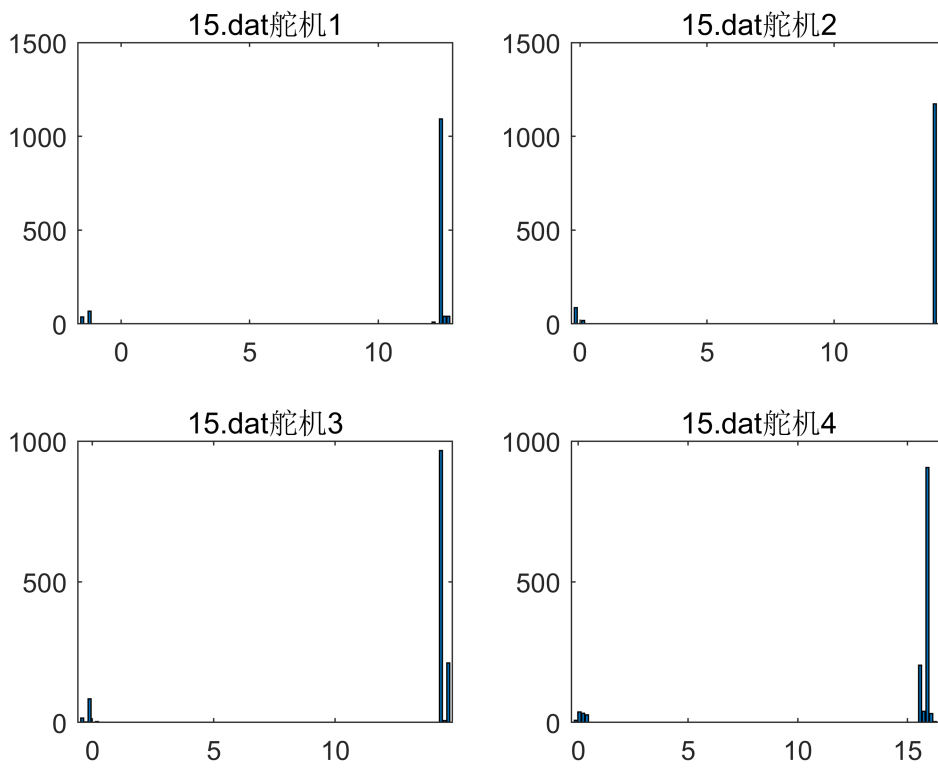
end

```









```

for k=1:4

p=polyfit(means(:,k)',angs,n);%ang=f(means)
ps(k,:)=p;
y=polyval(p,means(:,k)');
figure(k+1);
plot(means(:,k)',angs,means(:,k)',y);
title(sprintf('拟合%d',k));
% figure(k+4);
% analysis(char(file),k);
disp('数据');
disp(p);
end

```

```

数据
-0.0001    0.0015    1.1110    1.2133
数据
-0.0001    0.0012    1.0724    0.2388
数据
0.0001   -0.0004    1.0104    0.2887
数据
-0.0000    0.0002    0.9563   -0.0339

```

