

```

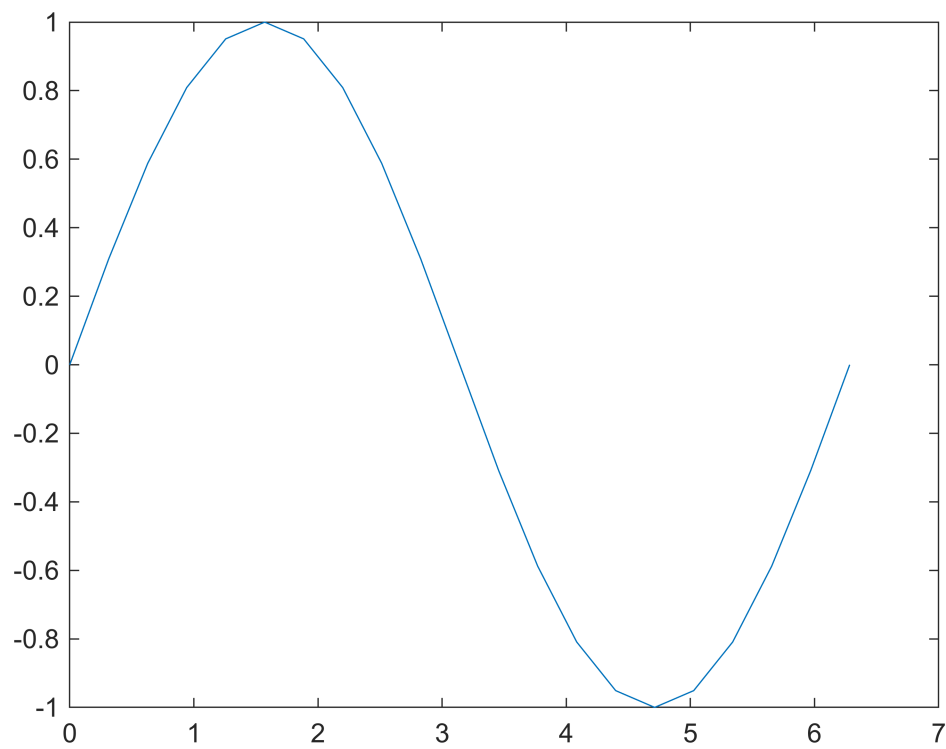
a=23;
b=5;
c = round(a/b);
d=rem(a,b); %opcjonalnie mod

```

```

v = [0 5 0 4 0];
R2=normrnd(3,5,5,3);
newR2= [R2 transpose(v)];
x=0:pi/10:2*pi;
y=sin(x);
plot(x,y)

```



```

avg=mean(y);

```

```

A=[1 2 3; -1 1 4;-1 -2 -3];
B=[5;1;-5];
sizeB =size(B);
rankA =rank(A);
if rankA<sizeB(1)
    fprintf("Układ nie jest rozwiązywalny")
else
    fprintf("Układ jest rozwiązywalny")

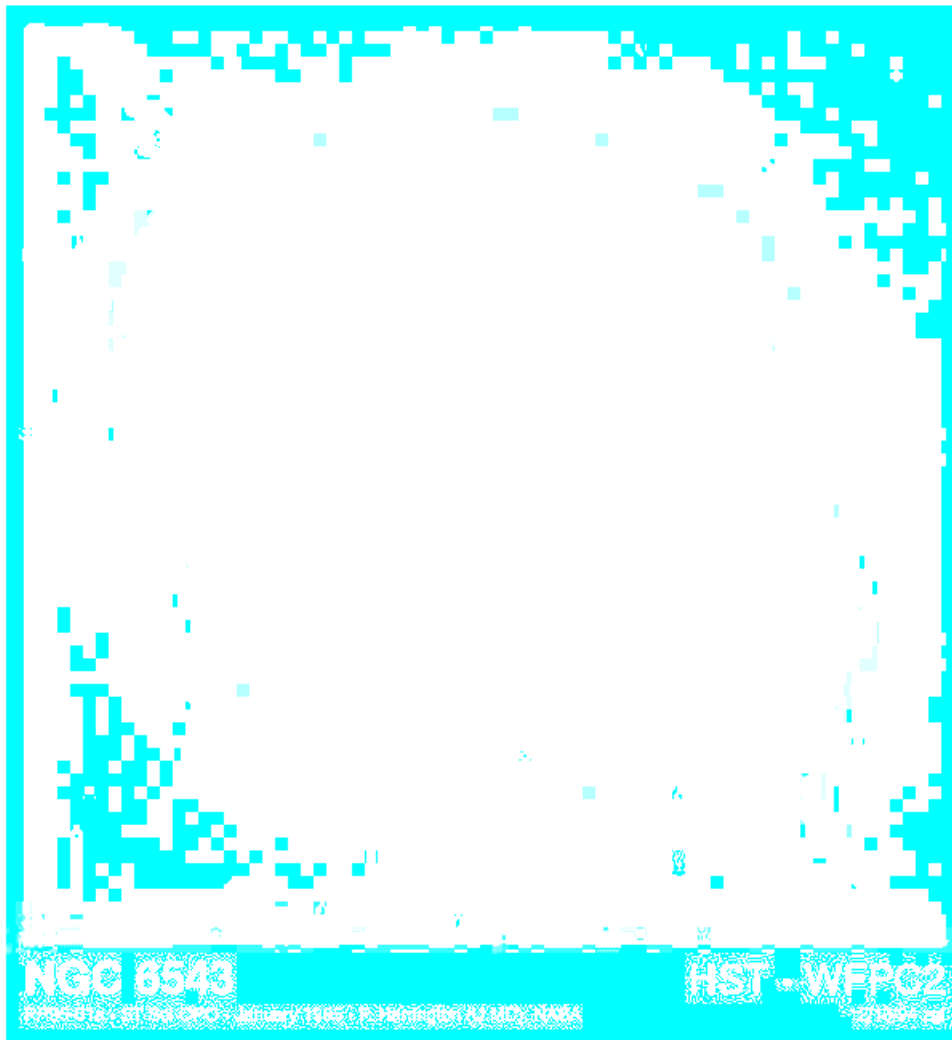
```

end

Układ nie jest rozwiązywalny

```
%load exampledata.mat
R=RGB(:,:,1);
G=RGB(:,:,2);
B=RGB(:,:,3);
R1=R(:)';
G1=G(:)';
B1=B(:)';
A=[R1;G1;B1];
B=[0;128;128]+[0.299 0.587 0.114;-0.169 -0.331 0.5;0.5 -0.419 -0.081]*A;
%[Y;Cb;Cr]=[0;128;128]+[0.299 0.587 0.114;-0.169 -0.331 0.5;0.5 -0.419 -0.081]*[R G
B]
Y=B(1,:);
Cb=B(2,:);
Cr=B(3,:);

Y=reshape(Y,650,600);
Cb=reshape(Cb,650,600);
Cr=reshape(Cr,650,600);
YCbCr(:,:,1)= Y;
YCbCr (:,:,2)=Cb;
YCbCr (:,:,3)=Cr;
imshow(YCbCr)
```



```
a=pi;  
b=ones(1,1, 'uint8');  
b=double(b);  
a+b
```

```
ans = 4.1416
```

```
litory='absdefg'
```

```
litory =  
'absdefg'
```

```
X=litory(randi(length(litory),1,10))
```

```
X =  
'gddsgsafsb'
```