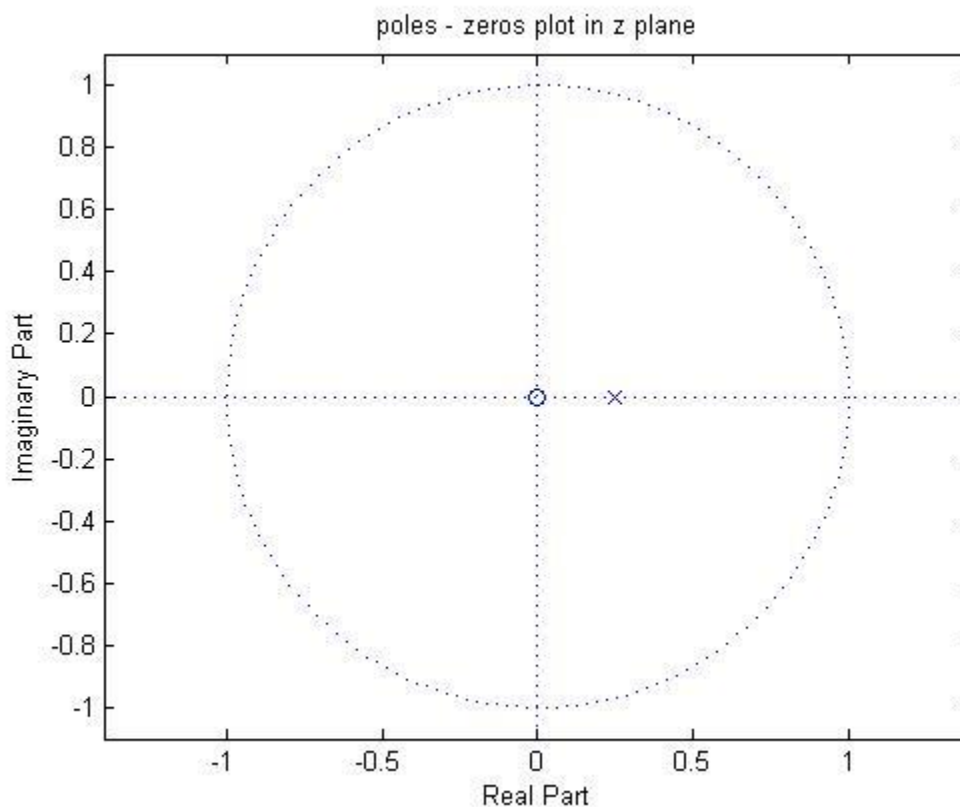


## Experiment 26

### z-transform

Uses inbuilt functions for z, inverse z, transform and to plot poles and zeros in z plane Function:  $(1/4)^n$

```
clear all;clc;close all;  
syms z n;  
  
X = ztrans((1/4)^n);  
x = iztrans((4*z)/(4*z-1));  
  
b = 1;  
a = [1 -1/4];  
A = roots(a);  
  
B = roots(b);  
zplane(b,a),title('poles - zeros plot in z plane');
```



### Conclusion

Z-transform of a signal and its inverse transform were computed correctly. Poles and Roots are also plotted on z-plane.