

Experiment No: 06

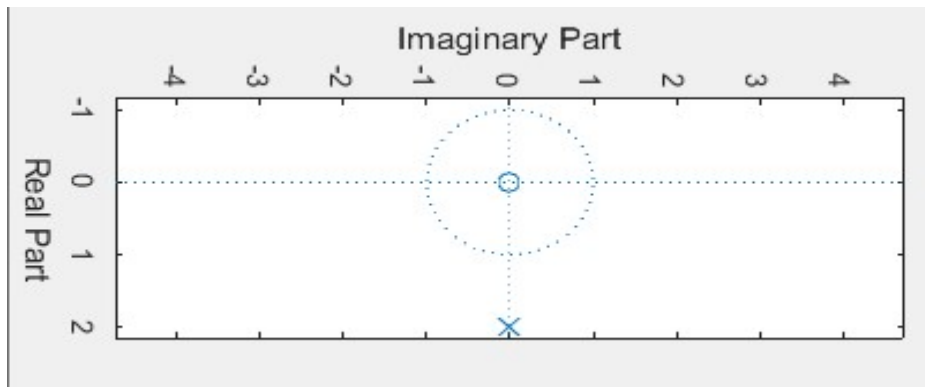
Experiment Name: Calculate and plot Z-transform of a given signal.

Objectives: The main objectives is to calculate and plot Z-transform of a given signal.

Source Code:

```
clc ;  
close all;  
syms n;  
a=2;  
x=1+n;  
X=ztrans(x); %finding z transform  
disp('z tranform of a^n a>1');  
disp(X);  
subplot(1,3,1);  
zplane([1 0],[1 -2]);
```

Output:



Discussion:

In this lab we can learn about how Z-transform calculate and plot from the given signal.