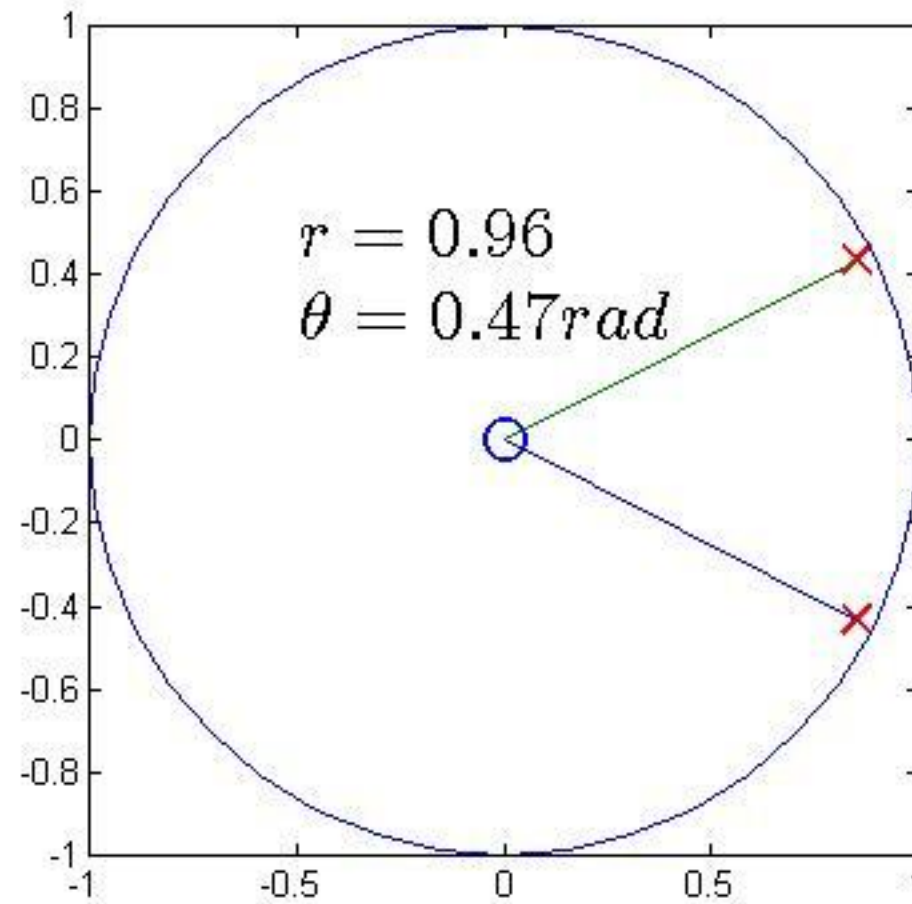


Figure 4.2.9 relationship between $X(z)$ and $X(\omega)$ for the sequence in Example 4.2.4, with $A = 1$ and $L = 10$

Figure courtesy of Proakis and Manolakis, Digital Signal Processing.

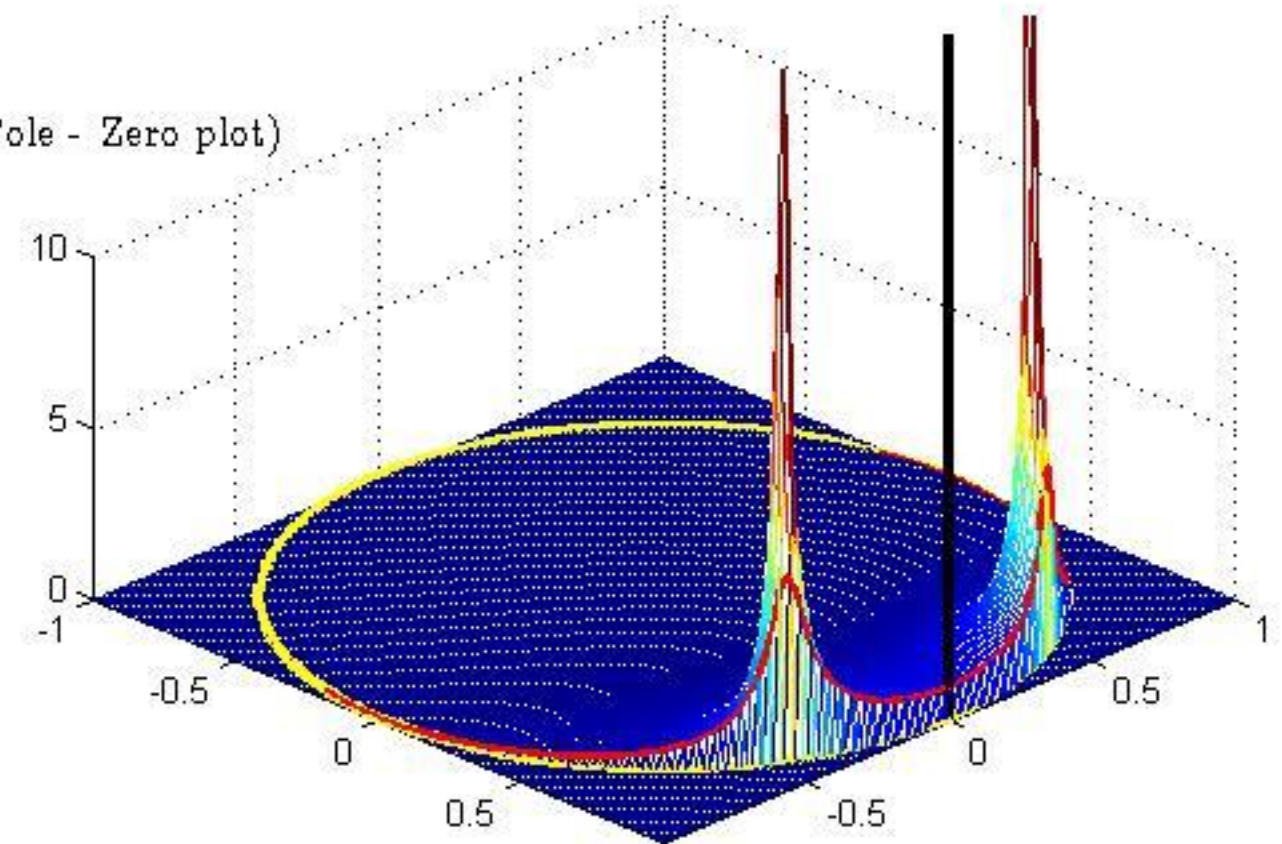
Visualising the Z-transform

POLE ZERO Plot



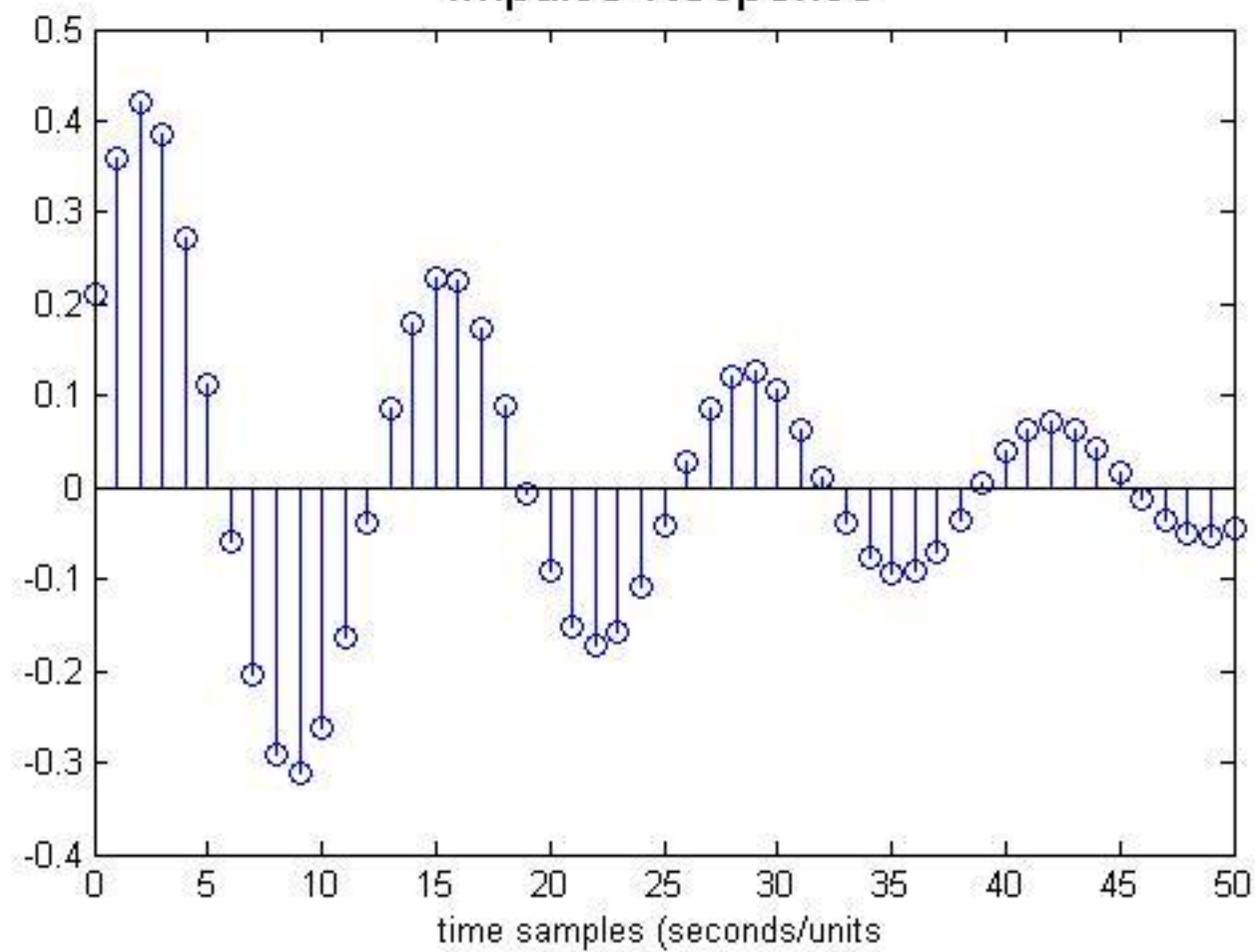
Richard Hayes

(Just click in the Pole - Zero plot)



$$H(z) = \frac{b_0}{z^2 - 2r\cos(\theta)z + r^2} = \frac{0.2116600}{(z^2 + -1.7z + 0.91)}$$

Impulse Response



Frequency Response

