Projecting frequency spectrum in Polar coordinate system.

Amplitude

r_2
r_0
r_1

f_0 f_1 f_2 — — — — — f_N frequency

$r_i : i = 0, 1, 2, \ldots N$

$\theta_i = 2\pi f_i$
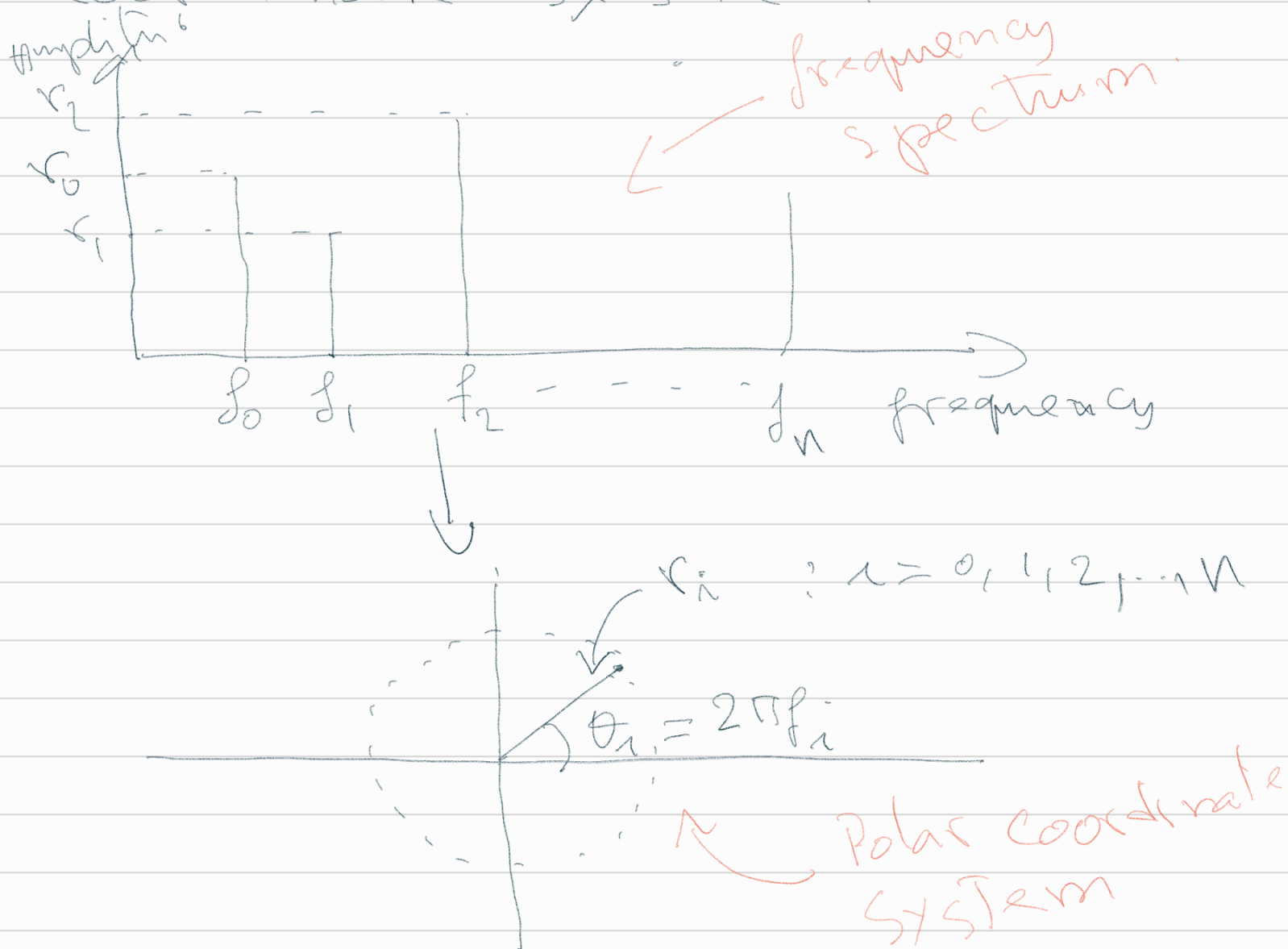
every point $\begin{pmatrix} f_i, r_i \end{pmatrix}$ is mapped To (r_i, θ_i) where

r_i is the amplitude at frequency f_i

$\theta_i = 2\pi f_i$ where f_i is the frequency in Hz. θ_i is The angular frequency.