

Modern Control Systems

Assignment Translation

for the Sixth Lesson

Automatic Control Systems, Second Edition

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1. Given the following open-loop transfer functions of control systems, construct the frequency response polar plots of the transfer functions.

$$(5) G_0(s) = \frac{2}{s^2(s+1)}$$

$$(6) G_0(s) = \frac{3(s+3)}{s(s-1)}$$