

Blackboard 11.1



Blackboard 11.2





Comments

Minor-loop compensation provides a preferable alternative to cascade compensation for many physical systems. Examples include servomechanisms using tachometric feedback and a number of available integrated-circuit operational amplifiers.

The appropriate compensation for a particular application is generally determined by assuming that feedback controls the behavior of the minor loop at the major-loop crossover frequency. The possibility is realistic because the relatively fewer elements included in the minor loop permit it to have a higher crossover frequency.

Reading

Textbook: Sections 5.3 and 13.3.1.

Problem

Problem 11.1 (P5.14)

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