

11.1 Two-Port Power Gains

Reading Assignment: pp. 536-542

Specifying the **gain** of an amplifier is a bit more **ambiguous** than you may think. The problem is that there are so **many** ways to define **power**!

HO: THE POWERS THAT BE

HO: POWER GAIN

Q: *The absorbed powers typically are **less** than the available powers. Isn't there some way to better take advantage of the power available?*

A: We know there is! The answer is **matching networks**.

HO: TURNING A GAIN ELEMENT INTO AN AMPLIFIER