A tethered ankle-foot prosthesis emulator consisting of two forefoot digits and a heel digit. Independent control of the digits modulates the ground reaction force and center of pressure, which can be used to improve balance. The device is actuated by offboard motors and computers and connects to the user with a standard prosthesis adapter and pylon. See “An Ankle-Foot Prosthesis Emulator Capable of Modulating Center of Pressure” by V. L. Chiu et al., p. 166.