FIG. 5.11. The throat acoustical resistance and acoustical reactance frequency characteristics of a group of exponential horns, with a flare cutoff of 100 cycles and a mouth diameter of 20 inches, as a function of the throat mouth diameter. S_1 = the throat diameter, in square centimeters. r_{A1} = acoustical resistance. x_{A1} = acoustical reactance. Note: The characteristics shown are the throat acoustical resistance or acoustical reactance multiplied by S_1 and divided by ρc.