Figure SysPower of the Classic and Welch Tests Ns ---- 20,20 **→** 20,20 Student's t Test Welch's t Test 4 20,30 \triangle 20,30 1.0 -0.9 -□ 20,40 0.8 -**→** 50,50 **→** 50,50 50,75 △ 50,75 50,100 50,100 **→** 100,100 ---- 100,100 → 100,150 → 100,150 0.5 0.5 Variance Ratio (var1/var2 Variance Ratio (var1/var2 Ns Ns **→** 20,20 **→** 20,20 \triangle 20,30 \triangle 20,30 0.9 8.0 □ 20,40 50,50 50,50 50,75 50,75 50,100 **→** 100,100 **→** 100,100 0.1 0.0 0.0 \triangle 100,150 \triangle 100,150 0.2 0.5 0.5 **─** 100 200 → 100 200 Variance Ratio (var1/var2 Variance Ratio (var1/var2 Ns Ns ---- 20,20 4 20,30 4 20,30 **→** 20,40 **→** 20,40 **→** 50,50 50,50 50,75 **←** 50,75 50,100 50,100 0.2 0.2 **→** 100,100 **→** 100,100 0.1 0.1 0.0 \triangle 100,150 → 100,150 0.5 0.5 + 100,200 **─** 100,200 Variance Ratio (var1/var2 Variance Ratio (var1/var2