例7.11

(1) $H_0: \dfrac{\sigma_1^2}{\sigma_2^2} = 1$, $H_1 = \dfrac{\sigma_1^2}{\sigma_2^2} \neq 1$

(2) $\alpha = 0.1$

(3) 拒絕域 $C = \{ F < F_{1-\frac{\alpha}{2}}(n_1-1, n_2-1) \text{ or } F > F_{\frac{\alpha}{2}}(n_1-1, n_2-1) \}$

(4) $F = \dfrac{S_1^2}{S_2^2} = \dfrac{0.653^2}{0.627^2} = 1.085$

$0.05 \qquad\qquad 0.05$

$F_{0.95}(9,7) = 0.304 \quad F_{0.05}(9,7) = 3.68$

∴ 並無太大差異