

例 7.11 (1) $H_0: \frac{\sigma_2}{\sigma_1} = 1$, $H_1: \frac{\sigma_2}{\sigma_1} \neq 1$

(2) $\alpha = 0.1$

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

(4) $F = \frac{S_1^2}{S_2^2} = \frac{0.653^2}{0.627^2} = 1.088$: $\{F < F_{0.95}(9, 9) \text{ or } F > F_{0.05}(9, 9)\}$
 $= \{F < 0.304 \text{ or } F > 3.68\}$

