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KPYRAOB A.N. 605-204 ABI
                3 X= (X1, ..., Xn), Y= (X1,..., Yn) - HEBABUE. BGIBOPKU, Bhibeur examports of mounterbroom t- TPESA
LOTATION UNT: \sin\left[\frac{X}{Y}\right] - \left(\frac{\alpha_1}{\alpha_2}\right) \xrightarrow{r} N\left(0, \Sigma\right), rec \Sigma = \left(\frac{1}{5}, \frac{1}{5}, \frac{1}{5}\right) \times x \sim \frac{P_{\chi}(\alpha_1, \sigma_1^2)}{Y \sim P_{\chi}(\alpha_2, \sigma_2^2)}
             PACLMOTPUM h(x/3) = x-y . CRA34 nocyusAen Thile = (3h 24) 10 = (4 x) 10 = (4x2 -8/2)
                C nonowiger freezon normaxem 450 in [ (x) - h(d1) = b(0, 512 + d12 522) (7-14 83en 43

(x) - h(d1) = b(0, 512 + d12 522) (7-14 83en 43

(x) - h(d1) = b(0, 512 + d12 522)
           1) E\left[h\left(\frac{\overline{x}}{\overline{y}}\right) - h\left(\frac{\alpha_1}{\alpha_2}\right)\right] = Eh\left(\frac{\overline{x}}{\overline{y}}\right) - Eh\left(\frac{\alpha_1}{\alpha_2}\right) = E\frac{\overline{x} - \overline{y}}{\overline{y}} - E\frac{\alpha_1 - \alpha_2}{\alpha_2} = E\frac{\overline{x} - \overline{y}}{\overline{y}} - E\frac{\alpha_2}{\alpha_2} = E\frac{\overline{x} - \overline{y}}{
= \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}
             2) (Vh · \(\Sigma\) | = (\frac{1}{101} \) (\sigma\) (\sigma\) (\sigma\) (\sigma\) = (\sigma\) (\
                CKOAMMOUL AONDSAHA, 4TA
                      [4] X= (X1, ..., Xn) ~ Ma, 52), Y= (Y1, ..., Ym) ~ N(az, 52), n + m. PALT. e CTATUDUM AGC. 1-70CTA -?
         =) \frac{X-Y}{28^2} = \frac{1}{3} \sim N(0,1). Pacusium \gamma := (N+m-2) \cdot \left(\frac{5}{5} \sqrt{n+m}\right)^2 = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot ((N-0.5)^2 + (m-0.5)^2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (9.5)^2} = \frac{(N+m-2) \cdot (N+m-2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (\frac{1}{2} \sqrt{n+m})^2} = \frac{(N+m-2) \cdot (N+m-2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (\frac{1}{2} \sqrt{n+m})^2} = \frac{(N+m-2) \cdot (\frac{1}{2} \sqrt{n+m})^2}{(N+m-2) \cdot (\frac{1}{2} \sqrt{n+m}
= \frac{1}{1001} \left( \frac{\text{Nol S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} \right) = \frac{\text{No. No. S}_2}{\text{No. No. S}_2} \left( \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} \right) \sim \chi^2
= \frac{1}{1001} \left( \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} \right) \sim \chi^2
= \frac{1}{1001} \left( \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} \right) = \frac{1}{1001} \left( \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} + \frac{\text{No. S}_2}{\text{No. S}_2} \right) = \frac{1}{1001} \left( \frac{\text{No. S}_2}{\text{No. S}_2} + 
              34 merin: T(X,Y) = 1/2/mm2, 4~N(0,1), 2~ 22 => T(X,Y) ~ Turin-2, 4.7.A
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