## INTONVALOS DE COUFINGA FINAL

tone

$$X_{1}, X_{2} \stackrel{\text{def}}{\sim} \left( \begin{array}{c} \Theta - \frac{1}{2}, & \Theta + \frac{1}{2} \end{array} \right)$$

$$\Theta \in \mathbb{R} \qquad X = \left( \begin{array}{c} X_{1}, X_{2} \\ X_{2} \end{array} \right)$$

$$Tome \qquad m = \min\{X_{1}, X_{2} \\ M = \max\{X_{1}, X_{2} \\ Y_{2} \end{array} \right)$$

$$P_{r}\left( \begin{array}{c} M \neq 0 \leq M \end{array} \right)$$

$$P_{r}\left( \begin{array}{c} X_{1} \leq \Theta \leq X_{2} \\ Y_{2} \leq \Theta \leq X_{1} \end{array} \right)$$

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$$\mathcal{J}(\mathcal{X}) = (m, M)$$

シャイク(日本))= 主.

$$\frac{OBS}{y \mid m = y_s}$$

$$\frac{f(y) = (m, m)}{f(a \in f(x)) \neq \frac{1}{2}}$$

$$r(\theta \in \widetilde{I}(y)) = 1$$

HIPS TESES SONJUNTO Z PATTI GÃO X= X2: Xinxy=6, 4:,0  $\int_{J=1}^{2} \chi_{J} = \chi_{f}$ (G, 1) / [1, 1] B = (-w, w) ) Ho: 18 < 0 Ho: 18 > 0 8>0 B = E 70 B = 0.001 (0.0009,0.003) DE C = may/l ICS e 9.1 TESTES X1...X~~ F(0)  $M \in (0, \infty)$   $X_1, \dots X_n \sim N(M_16^2)$  (60) 1460) Ho: en 2+ +4; M 4+  $\mathcal{J}(\chi) = \{(\chi), \mathcal{B}(\chi)\}$ Pr(ME I(X))>X 157 E CONHECITA  $\frac{\lambda_{m}-\lambda_{m}}{\sqrt{32}}\sim \mathcal{N}(0,2)$ Z = \$\frac{1}{2} \left( \frac{1+8}{2} \right)

$$A(X) = X_m - \frac{2}{\sqrt{8}}$$

$$B(X) = X_n + \frac{2}{\sqrt{8}}$$

$$\sqrt{8}$$
Comprimento time

$$P_{\gamma}(M \in \Lambda_0) =$$

$$P_{\gamma}(T \in I(Z)) = X$$

## MIPOTUSE SIMPLES

M=77

HIPSTESE COMPOSTA

M E (01, 8), 670

(e, b) (10,00)

Ho: M + 7

 $\in (0,7) \cup (7,00)$ 

-0020 C 5200

Hi: e ra, b)

EXEMPLO 1 to-m & (a, b) -02226600 . GMP 05TD H1: M & (a, b) M E (00,0] U [6,00] CXEMPlo 2 Ho: en - Mo +smales HJ: M& Mo M & (-0, M) U (M0,00) DE/0,60)

 $H_1 = \Theta \in (0, \infty)$