数值的价值了 游泽县: 2020012544

$$(z) \lim_{k \to \infty} \chi^{(k)} = (0, 0, \frac{1}{2})^{\mathsf{T}}$$

$$Y(B_{\overline{J}}) = N \frac{|D_{12} D_{22}|}{|D_{11} D_{22}|}$$

$$= 7 |P_{12} P_{23}| - |P_{12} P_{12}|^{2}$$

(2)
$$\frac{R(B_T)}{R(B_G)} = \frac{-\ln P(B_T)}{-\ln P(B_G)} = \frac{1}{2}$$

$$\Rightarrow P(B) = \begin{cases} -1 - 4d - \frac{1}{2} < d \le -\frac{2}{3} \\ 1 + d - \frac{2}{3} \le d < 0 \end{cases}$$

$$5. \text{ L1} \quad B_{5} = \begin{pmatrix} 0 & -\frac{\alpha_{12}}{\alpha_{11}} \\ -\frac{\alpha_{22}}{\alpha_{22}} & 0 \end{pmatrix} \quad B_{6} = \begin{pmatrix} 0 & -\frac{\alpha_{12}}{\alpha_{11}} \\ 0 & \frac{\alpha_{12}\alpha_{22}}{\alpha_{11}\alpha_{12}} \end{pmatrix}$$

$$BG = \begin{pmatrix} 0 & -\frac{\Omega_{11}}{\Omega_{11}} \\ 0 & \frac{\Omega_{12}\Omega_{21}}{\Omega_{11}\Omega_{12}} \end{pmatrix}$$

$$P(B_{J}) = \sqrt{\frac{\alpha_{12}\alpha_{21}}{\alpha_{11}\alpha_{22}}} \qquad P(B_{G}) = \frac{\alpha_{12}\alpha_{21}}{\alpha_{11}\alpha_{22}}$$

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当日--予时收级最快 12 迭代矩阵 B= I-WA A的陪征便 \(i = \) B的特征负 |-W\(i \)

er WEWi 元)

1). $\|B_J\|_{\infty} = \max_{1 \le i \le N} \frac{N}{|\Omega_{ij}|} < 1$

16 LI) Yo = (0,-1) T, Po=(0,-1) T

=7 X= (1,-2)T

PLB) = max 11-wxil

姚代 ⇔ | +Wil<|(i=1,2, ...,n)

 $\langle -\rangle$ 0< W< $\frac{2}{3i}$ (i=1,2,...,N)

<-> WE(0, 2) (i=1,2 ·· γ)

財 W70. 秋 1-WN=1-WN2≤··· ≤ 1-WNn

 $= \sum_{j=1}^{N} \left| \frac{\alpha_{ij}}{\alpha_{ij}} \right| < \left| \text{Li} = 1, 2, \dots, n \right\rangle = 2 \left| \alpha_{ii} \right| > \sum_{j=1}^{N} \left| \alpha_{ij} \right| \left(1 = 1, 2, \dots, n \right)$

=> A是严格对的信托格阵=> GS法收款

 $d_1 = \frac{2}{3}$, $d_2 = (1,-2)^T$, $d_2 = (0,0)^T$

=> 1 -wail < max &1 -wail, 1 -wans

=> PLB)= max { 11-way, 1+ways

 $d_0 = 0.5$, $X_1 = (0, -0.5)^T$, $X_1 = (1.5, 0)^T$. $B_0 = 2.15$, $P_1 = (1.5, -2.15)^T$

=> d= 2/1+2/1 日 PB)最小, RB)=-In PB)

=>
$$\Psi(x^{(k+1)}) = \Psi(x^{(k)}) - \frac{1}{2} \frac{(x^{(k)}, y^{(k)})^2}{(Ap^{(k)}, p^{(k)})}$$

(8ck), pck) = (8ck), 8ck)

20.

故 p(1). p(2), ..., p(4) 线城关

 $A(X_{(k+1)}) = A(X_{(k)} + a(kb_{(k)}) = A(X_{(k)}) - \frac{5}{1} \frac{(a_{(k)}, b_{(k)})}{(a_{(k)}, b_{(k)})}$