u cè npinomesure Donauman padoma N3 Ut = B1 Ut-1 + B2. Ut-2 + Et, Uo = 0, {Et} ~ i.i.d., IEE, 200 · 4 Un+1 = B1. Un + B2. Un-1 + En+1 4 Un+1 = 1E/Un+1 | 6/U1, ..., Un)) = B1 Un + B2. Un-1 + 1E(En+1) = = | B. Un + B2. Un-1 · IE (Uni - Uni) = IE (Bith + Bettin-1 + Enos - Bettin-1) = = $|E(\xi_{n+1})|^2 = \int m \cdot \kappa \cdot \{\xi_1\} \sim i \cdot i \cdot d^2 = |E(\xi_1)|^2$ Ut = Et - 2. Et-1, t=1,.,n, &=0, { E = g ~ N(0;1) 1) E1 = U1 + d. E0 = U1 Ez = Uz + L. E1 = Uz + LU1 E3 = U3 + L. E2 = U3 + 2 U2 + 2 U1 En = U4 + d E3 = U4 + d U3 + d 2 U2 + 2 3 U1 Umark, borgerung zabucumocmo: Ei = \(\subsection \in \mathbb{I}_i = \subsection \in \mathbb{ $\begin{bmatrix} \mathcal{E}_1 \\ \vdots \\ \vdots \\ \vdots \end{bmatrix} = \begin{bmatrix} 1 \\ \lambda^2 \\ \lambda^3 \\ \lambda^2 \\ \lambda^3 \end{bmatrix} \begin{bmatrix} \lambda \\ 1 \\ \vdots \\ \lambda^4 \end{bmatrix}$ [En] [xn-1 x3 x2 x 1] [xn] 3) $g_{\mathcal{E}} = \frac{1}{\sqrt{2\pi}} \frac{1}{6} \cdot e^{-\frac{(x-\mu_1)^2}{26^2}} = \int_{\mathcal{U}} u = 0, 6 = 1$ $g_{n}(x_{1},...,x_{n},\alpha) = \underbrace{\overrightarrow{ldet}_{B}^{-1}}_{ldet} \cdot g_{\varepsilon}(B\overline{x}) = \underbrace{\overrightarrow{n}}_{i=1} g(\underbrace{\overleftarrow{z}}_{j}^{i} x_{j}) =$

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 $= \prod_{i=1}^{d} \frac{1}{\sqrt{2\pi^{2}}} \cdot e^{-\frac{1}{2} \left(\sum_{j=1}^{L} \lambda^{L_{j}} X_{j} \right)^{2}}$

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N2 (mpogainierine) $\frac{1}{2} \ln \left(g_{ij}\right) = \sum_{i=1}^{n} \ln \left(\frac{1}{\sqrt{2\pi}}\right) - \frac{1}{2} \cdot \left(\sum_{i=1}^{n} \sum_{j=1}^{i} \lambda^{i-j} X_{j}\right)^{2} \longrightarrow \max \left(\sum_{i=1}^{n} \sum_{j=1}^{i} \lambda^{i-j} X_{j}\right)^{2} \longrightarrow \min \left(\sum_{i=1}^{n} \sum_{j=1}^{i} \lambda^{i-j} X_{j}\right)^{2}$ Grena zacoperure uncem bug: [21t = B. Ut. + Et, te Z, 1814, { Etgrical, IEE, =0, 02/EE, 200 lyt = U+ + ZE. 2+, p+0 aserka napamempa 3* veremes kan rojerto yp-8 = yt-2 /yt- 0.yt-1) =0 1) $h_1(0) = \frac{1}{h} \sum_{t=1}^{L} y_{t-2} (y_t - 0 y_{t-1}) = 0$. To 357 grue now - meri c emosions repeneumbasinem $l_n(\theta) \xrightarrow{P} E y_0 (y_2 - \theta y_1) \equiv \Lambda(f_i \theta)$ * Λ(y; θ) = Eyoly - θy1) = [E(U0 + Zo 260)(U2 + Zo 262 - Θ(U1 + Zo 261)) = Ио, Иг, Иг, вео, вег, вег - динс. шела, т.е. шут. вештино здесь такоко 28, 21, 21 е во; 13 =) всего 8 вариантов: 2) $\Lambda(0; \beta_n^*) = 1E U_0(U_2 - \beta_n^* U_1) = 1E U_0(\beta_n^* U_1 + \xi_2 - \beta_n^* U_1) = 1E U_0 \xi_2 - 0$ 3) Tacmer mough. Of u on cycy-tom, m. k. Alfil) - nacutions $u) \frac{\partial \Lambda(f;\theta)}{\partial \theta} \Big|_{(0;\beta^*)} = \frac{\partial (1-f)^3 \cdot (|Eu_0u_2 - |E\theta u_0u_1|)}{\partial \theta} \Big|_{(0;\beta^*)} = -|Eu_0u_1 + 0$ Morga, no meopeul o nanongenus grynnyuotiana busenus e octuseus acyses, $IF|_{\xi_0} = -\left(\frac{\partial N(f)}{\partial x}\right)|_{\xi_0} = \frac{\partial N(f)}{\partial y}|_{\xi_0} = \frac{\partial N(f)}$ GES = SUP | IF | = 0 | = | 100 1E 2 | + | Bit U0 - 1E 2 | + | | 100 U1 | =) garrael oegener Bn* ne perdaemnen Tuem 2