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D.-S. Huang et al. (Eds.): ICIC 2008, LNCS 5226, pp. 552–560, 2008. © Springer-Verlag Berlin Heidelberg 2008

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... sa a. n ... w.. r ... ss... m.x .. m. v ...

$$p \ x | \Theta_k \qquad \sum_{i=1}^k \alpha_i p \ x | \theta_i \qquad \sum_{i=1}^k \alpha_i p \ x | \mu_i, \Sigma_i ,$$

$$p \ x | \theta_i \qquad p \ x | \mu_i, \Sigma_i \qquad \frac{\pi^{-\frac{1}{2}} |\Sigma_i|^{\frac{1}{2}}}{\pi^{-\frac{1}{2}} |\Sigma_i|^{\frac{1}{2}}} e^{-\frac{1}{2}(x-\mu) \Sigma^{-1}(x-\mu)},$$

$$\dots \mid p \mid \mathcal{X} | \Theta_k \qquad \dots \mid \prod_{t=1}^N p \mid x_t | \Theta_k \qquad \sum_{t=1}^N \dots \mid \sum_{i=1}^k \alpha_i p \mid x_t | \theta_i \mid ,$$

 $\mathbf{w}_{\mathbf{n}}$, \mathbf{n} $\mathbf{w}_{\mathbf{n}}$, $\mathbf{w}_{\mathbf{n}}$

$$\alpha_{i}^{+} = \frac{1}{n} \sum_{t=1}^{N} P i | x_{t} | \mu_{i}^{+} = \sum_{t=1}^{N} x_{t} P i | x_{t} / \sum_{t=1}^{N} P i | x_{t}$$

$$\Sigma_{i}^{+} = \sum_{t=1}^{N} P i | x_{t} | x_{t} - \mu_{i}^{+} | x_{t} - \mu_{i}^{+} |^{T} / \sum_{t=1}^{N} P i | x_{t} ,$$

$\mathbf{a} \cdot \mathbf{a} \cdot$

$$H p \parallel q \qquad \int p y |x p x \dots q x| y q y dxdy.$$

$$p x p_0 x \frac{1}{N} \sum_{t=1}^{N} G x - x_t \qquad p y i | x \alpha_i q x | \theta_i / q x | \theta_k$$

$$q x | \theta_k \sum_{i=1}^{k} \alpha_i q x | \theta_i q y q y i \alpha_i > \sum_{i=1}^{k} \alpha_i ,$$

w.n. $\alpha_i = \alpha_i + \cdots + \alpha_i + \cdots$ 🐂 ..

 $\mathbf{m}_{1}\mathbf{x}$. $\mathbf{s}_{2}\mathbf{w}_{2}\mathbf{n}$ \mathbf{n} $\mathbf{n}_{3}\mathbf{w}_{4}\mathbf{m}_{5}$. . . $\mathbf{w}_{5}\mathbf{s}_{5}\mathbf{v}_{6}$

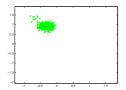
- Step 1: $k \sim \mathbb{R}^{S} \quad \text{in} \quad \dots \quad \text{in} \quad \mathbb{R}^{S} \Theta_{k \sim S} \sim \mathbb{R}^{M}$
- Step 2: $m_1 \cdot m_2 \cdot n_3 \cdot \dots \cdot m_k \cdot m_k$
- $s : s : n \rightarrow ss$ $m : x \rightarrow w : n = \theta_k : l \rightarrow ss$
- Step 4: $Acc M = J \Theta'_{k-1} l J \Theta_k l \cdot Acc M > n$ m., ..., b Θ'_{k-1} l ... n . W.s . . .
- Step 5: m $Acc \tilde{S}$ $J \Theta'_{k+1} l J \Theta_k l$ Acc S > $s \dots \dots s \dots$ $n \quad s \dots m \quad m \quad x \quad b \quad \Theta'_{k+1} \quad l \quad \dots \quad C'_{k}$ n.W.s.s...nm...mm...m...m...s..n $_{SS}$ m_{x}
- Step 6: $m_1 \dots m_r \dots g w_{n-s} m_r x_r \dots x_s \dots w_r n_r n_r$ l = l . \overline{q} . .

n.s. ... s · ¶ nm s s n n ..m. . · · · n swish binmins nwishin smill nss $m_1x = m_1 \cdot \sqrt{m_1} \cdot \sqrt{m_2} \cdot \sqrt{m_3} \cdot \sqrt{m_4} \cdot \sqrt{m_4}$ S.M. X M. S. M X X

.. . **a** . .

n.ss ... s.m .s.m ... x ..m .s.w m

 \mathbf{w} . \mathbf{s} \mathbf{s} \mathbf{h} \mathbf{n} \mathbf{s} \mathbf{n} \mathbf{s} \mathbf{s}



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- s (1988)
- 3. p_s r, A. ., p_d , . ., p_d , . .. p bood from p of p (1977)
- 4. A . , .: A oo b s s od d p op. $r. p_S$ op. A o . $r. p_S$ op. A o
- 5. Abr, ... s . pr b psop of . od . b App. s of & s s 6, 461 464 (1978)