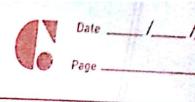


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highest posterior probability should be assigned to the point, as it has the maximum responsibility of describing the point.



 $E_{2}[\ln p(x,Z|\mu,\mathbf{I},\mathbf{I})]=\sum_{N=1}^{\infty}\sum_{K=1}^{\infty}\chi(z_{nk})\ln \pi_{K}+\lambda z_{nK}\ln w_{n}$ M=N(xn/4x, Ex) = Be-1/2 (xn-1/2) -1 (xn-1/4) VQT1)D121 $I_{\lambda} = \underbrace{\Sigma}_{k} = \underbrace$ $= 2U + \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{N} \sum_{i=1}^{N} \sum_{j=1}^{N} \sum_{j=1}^{$ = U DE E DENK (MIK LIN RIDE = It 25 (ZnK). [thTk, + ln N(XIpk, Ik)] Now, 8(Znk) = Tk e-11xn-Hkl)2 Σ π. e-1129-PI,112 When E > O, the term having least Lnow good to O at the least rate and hence $\gamma(z_{nk}) \rightarrow Br_{nk}$ as $\epsilon \rightarrow 0$ Cremaining And hen ce, E, [In(p(X,Z1), Z, T)] > -1, ZEGKIN, + (Anteunt

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