(3) Ausmocons unerempres hopinions
propagame: \$\(\partile 2 \) \(\langle 2 \ performe: M(p): - S. Spay h p(x) dx = = J. Jpan (2 (x-1) = 2 (x-1) + la (20) 1/2)) ds = \(\frac{1}{2} \in \left(\frac{\xi}{\chi_{ij}} \left(\frac{\xi}{\chi_{ij}} \right) \left(\frac{\xi}{\chi_{ij}} \right) \left(\frac{\xi}{\chi_{ij}} \right) \right) + \frac{1}{2} \left(\left(2\otin \right)^{\hat{h}} \left[\frac{\xi}{\chi_{ij}} \right) \right] \end{eq} $= \frac{1}{2} \underbrace{\sum_{i,j}^{2} (E(x_{i} - \mu_{i}))(x_{j} - \mu_{j}))(\Sigma^{-1})_{i,j} + \frac{1}{2} \ln(2\pi)^{n} |\Sigma|}_{= \frac{1}{2} \underbrace{\sum_{i,j}^{2} (\Sigma)_{i,j} (\Sigma^{-1})_{i,j} + \frac{1}{2} \ln(2\pi)^{n} |\Sigma|)^{-2}}_{= \frac{1}{2} \underbrace{\sum_{i,j}^{2} (\Sigma)_{i,j} (\Sigma^{-1})_{i,j} + \frac{1}{2} \ln(2\pi)^{n}}_{= \frac{1}{2} \underbrace{\sum_{i,j}^{2} (\Sigma)_{i,j} (\Sigma^{-1})_{i,j} +$ = 1 2. (EZ-1)i,i+ 2 ln (2Ti) 1 (E1)= $=\frac{n}{2}+\frac{1}{2}\ln((2\pi)^{n}|\Sigma|)=\frac{1}{2}\ln((2\pi e)^{n}|\Sigma|)$