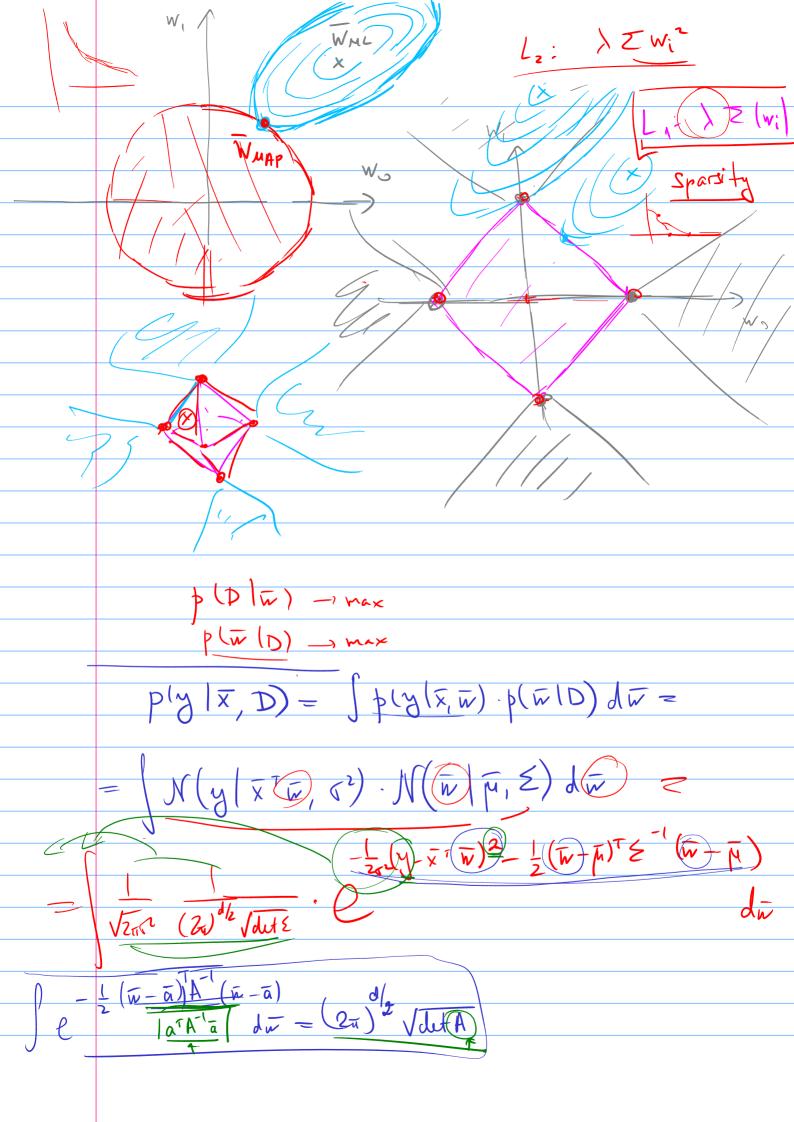


$$P(\overline{w}) = N(\overline{w} | \overline{v}_{0} | \Sigma_{0})$$

$$log | \overline{w}| | \overline{v}_{0}| = const - \frac{1}{2}\sigma^{2}(\overline{y} - \overline{w})^{T}(\overline{y} - \overline{x} | \overline{w})^{T}(\overline{y} + \frac{1}{2}\overline{w}^{T})^{T}(\overline{y} + \frac{1}{2$$



$$p(y|\bar{x}, b) = \mathcal{N}(y|\bar{x}_{MAP}^{T}\bar{x}) \delta_{N}^{2})$$

$$\hat{y} = \bar{x}^T \left( \frac{1}{\sqrt{2}} \sum_{i} \hat{x}^T \cdot \hat{y} \right) = \frac{1}{\sqrt{2}} \bar{x}^T \cdot \sum_{i} \hat{x}^T \cdot \hat{y} = 0$$

$$=\frac{1}{\sqrt{2}} \times \sqrt{2} \times$$

$$= \frac{1}{\sum_{n=1}^{N} \sqrt{X_{n}}} \left( X_{n} + \sum_{n=1}^{N} X_{n} \right) \cdot \sqrt{N}$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left( \frac{1}{\sqrt{2}} \frac{1}$$

