CLP Lab 1. Estadio Preuso

$$C = \frac{1}{2} \sigma^2 \begin{pmatrix} 1 & P \\ P & 1 \end{pmatrix}$$

== 1 +2 (1 P). Obtener autovalors teóricos enfunción de (y 52

det
$$(\underline{C} - \lambda \underline{T}) = dt \left(\frac{1}{2}\sigma^2 \begin{pmatrix} 1 \\ 1 \end{pmatrix} - \begin{pmatrix} \lambda \\ 0 \end{pmatrix} \right) = \begin{vmatrix} \frac{1}{2}\sigma^2 - \lambda & \frac{\varrho\sigma^2}{2} \\ \frac{1}{2}\sigma^2 - \lambda & \frac{\varrho\sigma^2}{2} \end{vmatrix} = 0$$

$$\left(\frac{\sigma^2}{2} - \lambda\right)^2 - \left(\frac{\sigma^2 \ell}{2}\right)^2 = 0$$

$$\lambda = \frac{\sigma^2 + \sqrt{(-\sigma^2)^2 - \chi \cdot 1 \cdot \left(\frac{\sigma^2}{\chi}(1-\ell^2)\right)}}{2 \cdot 1}$$

$$\lambda = \frac{\sigma^2 \pm \sigma^2 \ell}{2}$$

$$\int_{1}^{2} \frac{\sigma^{2} + \sigma^{2}\ell}{2} = \frac{\sigma^{2}}{2} \left(1 + \ell \right)$$

$$\int_{2}^{2} \frac{\sigma^{2} - \sigma^{2} \ell}{2} = \frac{\sigma^{2}}{2} (1 - \ell)$$

rdecon entre eges de les dipen (cortes de la post genera) es le relección entre los di