MAXWELL-EN ERLAZIOAK

BARNE-ENERGIA
ENTALPIA
HELMHOLTZ-EN FUNTZIOA
GIBBS-EN FUNTZIOA

INTENTS BOAK

$$\left(\frac{\partial \lambda}{\partial M}\right)^{X} = \left(\frac{\partial x}{\partial M}\right)^{\lambda}$$

DIFERENTRIAL ZEHATZA

$$dTU = TdS - pdV + ... \Rightarrow \left(\frac{\partial T}{\partial V}\right)_{S} = \left(\frac{\partial P}{\partial S}\right)_{V}$$

$$dH = TdS + VdP + ... \Rightarrow \left(\frac{\partial T}{\partial P}\right)_{S} = \left(\frac{\partial V}{\partial S}\right)_{P}$$

$$dF = -SdT - pdV + ... \Rightarrow \left(\frac{\partial S}{\partial V}\right)_{T} = \left(\frac{\partial P}{\partial T}\right)_{V}$$

$$dQ = -SdT + VdP + ... \Rightarrow \left(\frac{\partial S}{\partial P}\right)_{T} = -\left(\frac{\partial V}{\partial T}\right)_{V}$$