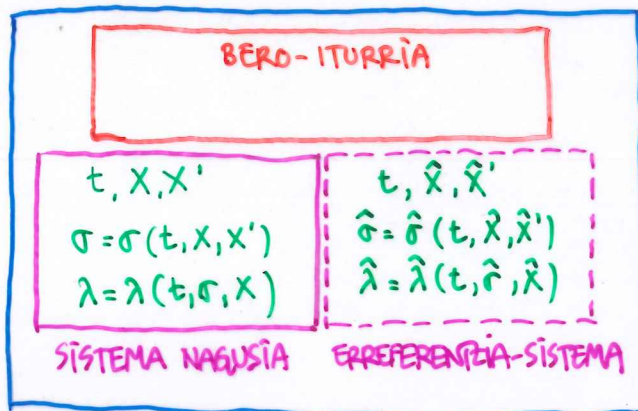


FAKTORE INTEGRATZAILEAREN ESANGURA FISIKOA

ALDAGAI INDEPENDENTEAK
GAINAZAL ADIABATIKO ITZ.
FAKTORE INTEGRATZAILEA



SISTEMA KONPOSATUA

$$(t, X, X', \hat{X}, \hat{X}') \rightarrow \{t, \sigma, X, \hat{\sigma}, \hat{X}\}$$

$$\bar{\sigma} = \bar{\sigma}(t, \sigma, X, \hat{\sigma}, \hat{X})$$

$$\bar{\lambda} = \bar{\lambda}(t, \sigma, X, \hat{\sigma}, \hat{X})$$

$$\delta \bar{Q} = \delta Q + \delta \hat{Q}$$

$$\bar{\lambda} d\bar{\sigma} = \lambda d\sigma + \hat{\lambda} d\hat{\sigma}$$

$$d\bar{\sigma} = \frac{\lambda}{\bar{\lambda}} d\sigma + \frac{\hat{\lambda}}{\bar{\lambda}} d\hat{\sigma}$$

$$\bar{\sigma} \rightarrow \bar{\sigma} + d\bar{\sigma}$$

$$d\bar{\sigma} = \left(\frac{\partial \bar{\sigma}}{\partial t}\right)_{\sigma, X, \hat{\sigma}, \hat{X}} dt + \left(\frac{\partial \bar{\sigma}}{\partial \sigma}\right)_{t, X, \hat{\sigma}, \hat{X}} d\sigma + \left(\frac{\partial \bar{\sigma}}{\partial X}\right)_{t, \sigma, \hat{\sigma}, \hat{X}} dX + \left(\frac{\partial \bar{\sigma}}{\partial \hat{\sigma}}\right)_{t, X, \sigma, \hat{X}} d\hat{\sigma} + \left(\frac{\partial \bar{\sigma}}{\partial \hat{X}}\right)_{t, \sigma, X, \hat{\sigma}} d\hat{X}$$

$$\delta Q = \lambda d\sigma \Rightarrow \delta Q = \phi(t) f(\sigma) d\sigma$$

- FAKTORE INTEGRATZAILEA (SISTEMA)
- TEMPERATURAREN FUNTzioA SOILIK
- FUNTzio UNIBERTSALA