Liouville-ren teoremaren ondorioak (1)

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$$\frac{\mathrm{d}\rho}{\mathrm{d}t} = \frac{\partial\rho}{\partial t} + [\rho, H]$$

$$\frac{\partial\rho}{\partial t} + [\rho, H] = 0 \qquad \left(\equiv \frac{\mathrm{d}\rho}{\mathrm{d}t} = 0\right)$$ ondorioa!

$$\frac{\partial\rho}{\partial t} = 0$$ multzo geldikorra, orekako sistema

zenbait baldintzatan

$$\left.\begin{array}{l} [\rho, H] = 0 \\ \qquad\qquad \frac{\mathrm{d}\rho}{\mathrm{d}t} = 0 \end{array}\right\}$$

BI HORIEK BETEZ GERO

$$\frac{\partial\rho}{\partial t} = 0$$

ZEHAZTASUNEAN DA OREKA!!

- $[\rho, H]=0 \quad \rightarrow \quad \frac{\partial\rho}{\partial t} = 0$ Multzo Geldikorra Orekako sistema

- Zer modutan lor daiteke $[\rho, H]$?

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