## Ocharane stidu hodusty

o tevrne nystemy:

 $A = A_s \otimes I_g$   $A_s \otimes A_s \otimes A_s$   $A_s \otimes A_s$ 

(A) = < Y(+) | A, & 4, 1Y(+) >= E C (+) [ Pa (+) [ Tal | A, & 4] \* 1m>/ Ju (+)> Cm(+)

= = = Cm(+)Cu(+) (/m(+)//(m(+)) (a) A (4)

(4) ma

Ann element operation As

- opera la ma Hi lbertore prostone ystemu L

- mese reformació stævn systemme - mese relevantre reformació sta

= Tu { & (+) As} Teulo operator Redulorary statisticly operator slirmje reskerou informació stam nebo (jesho elementin) ystemu S v intrarei Reduliorana matice hustoly Redulerany statisticky operator Latin pracyme s element (mu (+) = Cu(+) Cm(+) (Pu(+)/Pu(+)) L RDM Obsahuje tally " up hidoraum" informaci o larmi Redulovany stirtichy operator a elementi 9(+) = = = (+) (m) < m | = E Cm(+) (m) E Cm(+) (m) (fm(+)/ fun(4) Chare HB Morime 2/9/61 = = = = Cu(+) | w > = Cu(+) <u | < fn(+) (a) (a) (a) (a)

= = ( \sum (+) /m \ \( \alpha \( \phi \) \) (\sum (+) \\ \alpha \( \phi \) \\ \alpha \( \phi  $= \underset{\alpha}{\text{E}} \langle q | \left( \underset{m}{\text{E}} C_{an}(+) | \mathcal{G}_{an}(+) \rangle | m \rangle \right) \left( \underset{m}{\text{E}} C_{an}(+) \langle \alpha | \mathcal{G}_{an}(+) | q \rangle \right)$ stavou releton = Tr { [14(A) <4(A)]} stopa pris laxen W(+) = statistichy operator celetro Tidy: S(4) = Trz { (X(4) } W(4)= (V(4)>(4G)) pus laden up tidorany celloy statisty operator systemu. Somoi! Redukovary statiotick operator ma smyol jeu, poleud cheeme evaluous poure operatory a hilberton

## Pohybore rovnice pro deviene nysterny

Pro alloz satistich operalor: Liouville - von Neumann

Cason yrog.

dopuden caron vjog

Eprava prist be evolucione operatorem hermitovohy schwery pristoticie a leva i e U(+). prava.

Obiene mpada folybora rovnice baleto:

$$\frac{\partial}{\partial t} \hat{S}^{(\xi)} = -\frac{i}{4} \left[ H_{\xi} \hat{S}^{(\xi)} \right] + \hat{R} \left( \hat{S}^{(\xi)} \hat{I} \right)$$
operator

a total fundacional of (4)