Adam Glick NE 250 HW 4

Thursday, October 19, 2017 8:25 PM

② ®



NCF, R, E, EV d & R. R. DAAJE = R. RYCF, R, E, E) JA, dtd 5 $SJRR.R\Psi(F,R,E,b) = \hat{n} \cdot T(F,E,b)$



 $\int_{f_{\text{out}}} \hat{A} \hat{A}$ $N(\vec{r} + \Delta u \hat{x}_{1}, \hat{x}_{1}, E, t) \Delta A V \Delta t + A N d E - N(\vec{r}_{1}, \hat{x}_{1}, E, t) \Delta A V \Delta t + A N d E = net pertinal and a contact and$

(ハバラ、元, モ, ヒトロセ) ~ ハノデ、豆、E、 出了 ムルムトdを dの = - [N(=+ Du, 2, E, E) - N(=, 2, E, 6)] DAVDE JEJS - CLE EN NCZ Z, E, t) BUDAVATARAR + fcr, ft, E, t) ANDADEDURAE dividing by DUDADELEAS and rearranging: サミヤノラス き、ロト 最中ノラス も日 ト ティラ 町やラ え, き, の $\frac{d}{du} = \frac{u}{2} + \frac{2}{2} + \frac{dv}{du} - \frac{2}{2} + \frac{2}{2} = \frac{du}{du}$

M= 11-12 CO8W

$$\frac{dp}{du} = \hat{x} \cdot \hat{x} \qquad \frac{du}{du} = \hat{x} \cdot \hat{x}$$

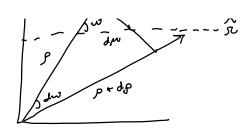
 $\frac{1}{\sqrt{2}} \frac{\partial \Psi(\vec{r}, \vec{p}, \vec{\lambda}, \vec{p})}{\partial \vec{p}} = S(\vec{r}, \vec{p}, \vec{\lambda}, \vec{p}) + \int_{-\sqrt{2}}^{2} \int_{-\sqrt{2}}^{2} (\vec{p} \cdot \vec{p}, \vec{k}, \vec{$

inhambe Sdy Sdw

μ = so w J-12

x integral each term

*don't integrate over pe bic it is just a projection and not an



$$\int \frac{1}{V} \frac{2\Psi}{2W} dw = \int \int \int dw + \int \int \int \int \int \int \int \nabla u dw - \int \int \partial u dw - \int \int \partial u dw - \int \int \partial u dw$$

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$$\frac{d\Psi}{dx} + \frac{\tau_t}{m} \Psi = 0$$

G first colliston =
$$\int x y(x) dx$$
 $\int x dx + \sum_{i} y_{i} = \int x y(x) dx$
 $\int \frac{dy_{i}}{dx} + \sum_{i} y_{i} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} \times \frac{\sum_{i} y_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}{n} = \int dx \times \sum_{i} - \frac{\sum_{i} x_{i}}$

$$C - \frac{d^{2}\phi}{dx^{2}} + \left[v \sum_{F} - \left(\sum_{a}^{F} + \sum_{a}^{M} \right) \right] d^{2} = 0$$

$$P = \omega_{F} \sum_{F} \phi \cos \theta$$

$$- \frac{d^{2}\phi}{dx^{2}} + v \sum_{G} \frac{1}{\sqrt{\cos \theta}} \phi \cos \theta - \sum_{a} \phi = 0$$

$$\cos x + F = 0$$

$$A = 0$$

$$V \cos x = \frac{\partial \theta}{\partial x} + P = 0$$

$$\Rightarrow \theta = -\frac{F}{10}$$

$$d \cos x = P - \frac{F}{10} \cos x + \frac{F}{10}$$

$$G_{au}:$$

$$\nabla^{2} \psi + \left(\frac{y \Sigma_{k} - \Sigma_{a}}{D}\right) \psi v_{3} = 0$$

$$\nabla^{2} V_{n} + G_{n}^{2} V_{n} (v_{3}) = 0$$

$$G_{au} = G_{n}^{2} V_{n}^{2} (v_{3}) = A_{n}^{2} V_{n}^{2} \left(\frac{y}{R}\right), \quad G_{n}^{2} = \frac{\chi_{n}^{2}}{\chi_{n}^{2}}$$

Reflected:

Interface Boundary Condition:

A To Bor R = CR Ke LR

$$-D^{c}\frac{d\phi^{c}}{dx^{c}} + (Z_{a}^{c} - \nu Z_{b}^{c})\phi \omega = 0$$

Reflector:
$$-D \frac{d\phi^{R}}{d\omega^{R}} + \sum_{n} \phi \omega_{n} = \frac{1}{2} \sum_{n} a \in X$$

Gen Solution

$$d^{c} c_{xx} = A_{1} c_{xx}(B_{xx}^{c_{x}}x)$$

$$d^{c}_{xx} = \frac{y^{\frac{1}{2}}p^{\frac{1}{2}-1}}{y^{\frac{1}{2}}}$$

taken from JENOL 4.0

$$\mathcal{L}_{TL} = 19.1 \, 2 \, \text{cm}^{3.022 \, \text{mig}^{23} \, \text{absolute}} \left(\frac{6.92.9 \, \text{mig}^{23} \, \text{absolute}}{23.5 \, \text{p/mol}} \right) \left(\frac{698.9 \, \text{mig}^{23} \, \text{mig}^{23}}{698.9 \, \text{mig}^{23}} \right) = 10.4 \, \text{cm}^{-24}$$

$$\bigotimes_{k} g_{k}^{2} = g_{k}^{2} \Rightarrow \left(\frac{\lambda}{\lambda}\right)_{k}^{2} = \frac{1}{n \sum_{k} - \sum_{k} \lambda}$$

11/6/2017 OneNote Online

R = 26 43 cm