$$DD$$
 $G = \Theta(t) \left(\frac{1}{4\pi Dt}\right)^{\frac{1}{2}} e^{-\frac{1}{6}-\frac{1}{6}t^{\frac{1}{2}}} dpt$

Helmholtz L= p2-h2

$$G = \begin{cases} \frac{1}{4\pi |\vec{r} - \vec{r}_0|} e^{\pm i k |\vec{r} - \vec{r}_0|} & \text{policy:} \\ \frac{1}{4\pi |\vec{r} - \vec{r}_0|} & \text{cos} (k |\vec{r} - \vec{r}_0|) & \text{slope} \end{aligned}$$

Omejena domena G = G = + 9

C dosimo = ercayanjen

Greenova formula

$$\int_{V} (\alpha(\hat{r}) \mathcal{L}_{r} G(\hat{r},\hat{r}_{s}) - G(\hat{r},\hat{r}_{s}) \mathcal{L}_{r} u(\hat{r})) d^{2}\hat{r} = \int_{V} (\alpha(\hat{r}_{b}) \frac{\partial G(\hat{r},\hat{r}_{b})}{\partial n_{b}} - G(\hat{r},\hat{r}_{b}) \frac{\partial u(\hat{r}_{b})}{\partial u_{b}}) d^{2}\hat{r}$$

Laplace
$$D: richlet$$
 $u|_{\mathfrak{S}_{D}} = u(\tilde{\mathfrak{s}}_{S}) = h\left(\tilde{\mathfrak{s}}_{S}\right)$ border Pa robu $G = 0$ we skede us posoje $u(\tilde{\mathfrak{s}}) = \int_{0}^{\infty} G\left(\tilde{\mathfrak{s}}, \tilde{\mathfrak{s}}_{S}\right) f(\tilde{\mathfrak{s}}_{S})d\tilde{\mathfrak{s}}_{S}^{2}$ $+ \int_{0}^{\infty} h(\tilde{\mathfrak{s}}_{S}) \frac{\partial G\left(\tilde{\mathfrak{s}}, \tilde{\mathfrak{s}}_{S}\right)}{\partial u_{S}}d\tilde{\mathfrak{s}}_{S}^{2}$

Neumann
$$\frac{\partial u}{\partial u}|_{\partial D} = h(\hat{\tau})$$
 $\mathcal{L}_{G, \tau} = \sigma(\hat{\tau} - \hat{\tau}_{\sigma}) - \frac{1}{V}$

$$u(t) = \int_{0}^{\infty} G(t, t_{*}) f(t_{*}) dt_{*}^{2} - \int_{0}^{\infty} h(t_{*}) G_{\mu}(t, t_{*}) ds_{\mu} + h_{*} dt_{*}$$

$$U(\hat{r},t) = \int_{0}^{\infty} \int_{0}^{\infty} f(\hat{r}_{0},x) G(\hat{r}_{1},\hat{r}_{0},t-x) d\hat{r}_{0}^{2} dx - D \int_{0}^{\infty} \int_{0}^{\infty} h(\hat{r}_{0},x) \frac{\partial G(\hat{r}_{1},\hat{r}_{0},t-x)}{\partial \hat{r}_{0}^{2}} d\hat{s}_{1}^{2} dx + \int_{0}^{\infty} G(\hat{r}_{1},\hat{r}_{0},t-x) d\hat{r}_{0}^{2} dx$$

$$U(\hat{r}_{1},t) = \int_{0}^{\infty} \int_{0}^{\infty} f(\hat{r}_{1},x) G(\hat{r}_{1},\hat{r}_{0},t-x) d\hat{r}_{0}^{2} dx - D \int_{0}^{\infty} \int_{0}^{\infty} h(\hat{r}_{1},x) d\hat{r}_{0}^{2} dx + \int_{0}^{\infty} G(\hat{r}_{1},\hat{r}_{0},t-x) d\hat{r}_{0}^{2} dx$$