$$\frac{1}{h(\xi)}\hat{\mathbf{u}}(\xi,t) \;=\; e^{-\nu|\xi|^2 t}\;\; \frac{1}{h(\xi)}\hat{\mathbf{u}}_0(\xi) \qquad\qquad (FNS)$$

$$+\int_0^t e^{-\nu|\xi|^2 s}\;\; \nu|\xi|^2\left[\frac{1}{\nu|\xi|^2}\frac{1}{h(\xi)}\;\; \widehat{g}(\xi,t-s)+\frac{1}{\nu|\xi|^2}\frac{1}{h(\xi)}(h\right.$$

$$\int_{\mathbf{R}^3}\frac{1}{h(\eta)}\hat{\mathbf{u}}(\eta,t-s)\odot_\xi \hat{\mathbf{u}}(\xi-\eta,t-s)\frac{1}{h(\xi-\eta)}\;\; \frac{h(\eta)h(\xi-}{(h*h)(}$$

$$w\odot_\xi z=-i(e_\xi\cdot z)\Pi_{\xi^\perp}w, \qquad e_\xi=\frac{\xi}{|\xi|}, \quad \Pi_{\xi^\perp}w=[I$$