1003-35-1514　　　　**Alexander Tovbis*** (`atovbis@pegasus.cc.ucf.edu`), Orlando, FL 32816. *Semiclassical (zero dispersion limit) of the focusing NLS equation.*

We study the semiclassical limit for a focusing NLS with a certain family of initial data that contains both soliton and pure radiational cases. Several types of leading order asymptotic behavior (in the x, t plane) corresponding to different genuses of the associated Riemann-Hilbert Problem are considered. Long time behavior of solutions is also discussed. (Received October 05, 2004)