

1106-VL-1919 **Otis Wright*** (wrighto@cedarville.edu), 251 N. Main St., Cedarville, OH 45314. *Effective integration of ultra-elliptic solutions of the integrable nonlinear Schrödinger equation.*

An effective integration method for quasi-periodic ultra-elliptic solutions of the integrable nonlinear Schrödinger equation is studied. The non-zero bounded quasi-periodic two-phase solutions with real quasi-periods are constructed using Kleinian elliptic functions and all real cases are classified. (Received September 15, 2014)