

1046-35-1966 **Russell L Herman*** (hermanr@uncw.edu), Mathematics and Statistics, UNC Wilmington,
Wilmington, NC 28403. *Propagation of Solitons Under Colored Noise*. Preliminary report.

How is the evolution of special solutions, such as solitons and solitary waves, affected by colored noise? We review the known behavior of stochastic solitons under white noise and describe preliminary numerical results for colored noise. (Received September 16, 2008)