# Modulational Instability of
# Derivative Non-Linear Schrödinger Equation

## Alexandru T. Grecu[*]

*Department of Theoretical Physics, "Horia Hulubei" National Institute
of Physics and Nuclear Engineering, Bucharest, Romania*

## ABSTRACT

The modulational instability for the derivative NLS equation is studied using both a deterministic and a statistical approach. In the statistical approach different initial conditions are investigated and the influences of the statistical properties of the medium on the MI are carefully analyzed. Throughout the paper the results are compared to those obtained for the NLS equation.

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[*] Email: agrecu@theory.nipne.ro