

1145-78-1077 **Alexey Sukhinin*** (alexey.sukhinin@ndsu.edu). *Topologically-mixed vector soliton instability*. Preliminary report.

Solitons having different topological charges were obtained from the system of $(2D+1)$ coupled Nonlinear Schrodinger Equations with focusing nonlinearity. In this talk, I will discuss their dynamics and stability properties. The role of the winding number and intersecting area between two localized profiles will be discussed as well. (Received September 18, 2018)