

SPATIAL SOLITONS IN ANOMALOUS DISPERSIVE
MEDIA WITH NONLOCAL NONLINEARITY

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S u m m a r y

Two-dimensional localized envelope soliton-like structures are investigated in anomalous dispersive media in the framework of the nonlinear Schrödinger equation including cubic and nonlocal nonlinearities. It is shown that a crucial role in the formation of stable localized structures is played by the fourth order dispersive effect.