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nonlinear lattices

[Yaroslav V.](#)

[Kartashov, Boris](#)

[A. Malomed,](#)

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Oct 2010 (v1), last
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(this version, v2))*

This

article
offers a
comprehensive
survey
of
results
obtained
for
solitons
and
complex
nonlinear
wave
patterns
supported
by
purely
nonlinear
lattices
(NLs),
which
represent
a
spatially
periodic
modulation
of the
local
strength
and sign
of the
nonlinearity,
and their
combinations
with