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Vector breather-to-soliton transitions and nonlinear wave interactions induced by higher-order effects in an erbium-doped fiber

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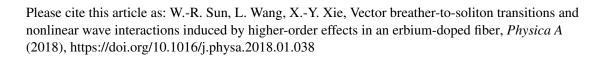
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*Highlights (for review)

Highlights:

- \bullet Breather-to-soliton transitions for NLS-MB system with sextic terms are investigated.
- Condition for breather-to-soliton transitions are explicitly presented.
- The interactions between solitons and breathers are discussed.

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