

## Erratum: Stable Vortex–Bright-Soliton Structures in Two-Component Bose-Einstein Condensates

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An eigenvalue resonance and the resulting dynamical instability occur when  $S_1 = S = 0$  and  $S_2 = 1$  rather than as stated in the manuscript when  $S_1 = S = 1$  and  $S_2 = 0$ . Therefore, Fig. 1 should replace the left panel of Fig. 2 in the manuscript. We thank Jan Stockhofe and Peter Schmelcher very much for bringing this to our attention and pointing us to the reference [1] in which a similar conclusion is reached.

In addition to the replacement of the figure, the statements in the last sentence of the *Physical setup* section and at the end of the second paragraph of the *Results* section should be modified to reflect the fact that the dynamical instability exists for the vortex–bright-soliton state with a vortex in the *second* component rather than the first. When the first component (with the stronger intracomponent coupling) is in a vortex state and the second component is a bright-soliton state, the solution is stable.

This does not affect the other results in the Letter.

[1] D. V. Skryabin, *Phys. Rev. A* **63**, 013602 (2000).

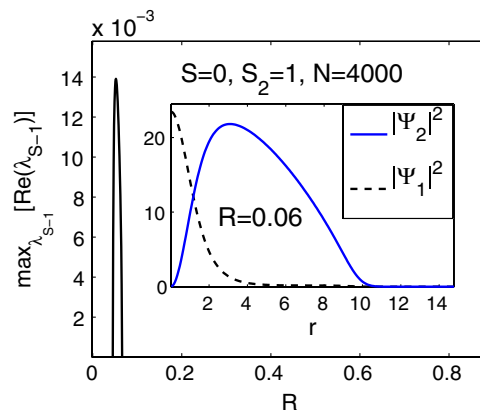


FIG. 1 (color online). Growth rate of the  $S - 1$  mode as a function of  $R$  with  $N = 4000$  for  $S = 0$  and  $S_2 = 1$ .