

This is a review submitted to Mathematical Reviews/MathSciNet.

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Title: Comment on ‘Nonlinear eigenvalue problems’.

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Review text:

In this addendum-like text with just two references, an alternative, graphical-method-inspired constructive re-derivation of some of the results of paper [2] is offered. Although the subject itself (viz., the nonlinear Cauchy problem $y'(x) = \cos[\pi xy(x)]$) carries multiple apparently remarkable features (see also extended abstract MR3216779), calling it (in a way inspired by some parallels with certain elementary quantum systems) a “nonlinear eigenvalue problem” seems exaggerated. A title like “ordinary differential equations with separatrices” would probably fit the subject better.

Comments to the MR Editors (not part of the Review Text):

The citation of “extended abstract MR3216779” should be updated.