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Milena Stanislavova*, Department of Mathematics, University of Kansas, 405 Snow Hall, 1460 Jayhawk Blvd, Lawrence, KS 66045, and **Sevdzhan Hakkaev** and **Atanas Stefanov**. *Linear Stability for Traveling Pulses of the Boussinesq "ABC" System.*

We study rigorously and characterize the spectral stability of some explicit traveling waves of the "abc"-system in the regime $b > 0, a, c < 0$. This is achieved via the use of instabilities indices counting formulas of Kapitula, Kevrekidis and Sandstede and its refinement for the case of solitary waves by Kapitula and Stefanov. (Received August 31, 2012)