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SOLITARY WAVES AND PERIODIC SOLUTIONS TO THE BBM EQUATION MODIFIED BY VISCOSITY

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We use a traveling wave reduction or a so-called spatial approximation and a numerical scheme using the spectral method to comprehensively investigate the periodic and solitary wave solutions of the modified Benjamin, Bona and Mahony (BBM) equation to include both dissipative and dispersive effects of viscous boundary layers. Finally, we present some numerical results.

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