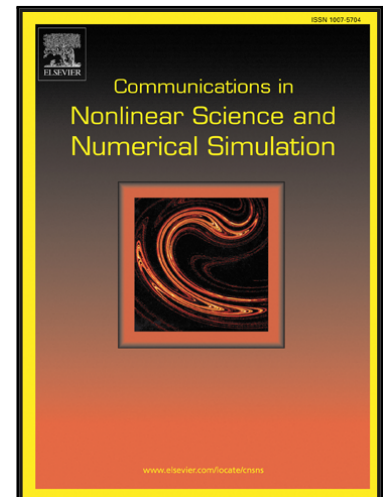


Accepted Manuscript

Nonlinear waves in magnetized quark matter and the reduced Ostrovsky equation

D.A. Fogaça, S.M. SanchesJr, F.S. Navarra

PII: S1007-5704(18)30213-2
DOI: [10.1016/j.cnsns.2018.06.027](https://doi.org/10.1016/j.cnsns.2018.06.027)
Reference: CNSNS 4569



To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 30 March 2018
Revised date: 4 April 2018
Accepted date: 27 June 2018

Please cite this article as: D.A. Fogaça, S.M. SanchesJr, F.S. Navarra, Nonlinear waves in magnetized quark matter and the reduced Ostrovsky equation, *Communications in Nonlinear Science and Numerical Simulation* (2018), doi: [10.1016/j.cnsns.2018.06.027](https://doi.org/10.1016/j.cnsns.2018.06.027)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We derive the reduced Ostrovsky equation in nonrelativistic hydrodynamics with an external magnetic field.
- The reduced Ostrovsky equation is for baryon perturbations in magnetized quark gluon plasma.
- We present the rarefaction solution for the reduced Ostrovsky equation.

Download English Version:

<https://daneshyari.com/en/article/7154434>

Download Persian Version:

<https://daneshyari.com/article/7154434>

[Daneshyari.com](https://daneshyari.com)