Accepted Manuscript

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PII:	S0378-4371(17)30988-3
DOI:	https://doi.org/10.1016/j.physa.2017.09.095
Reference:	PHYSA 18700
To appear in:	Physica A
Received date :	20 March 2017
Revised date :	22 September 2017



Please cite this article as: J.R. Steiner, T.O. Zolacir, Mass segregation phenomena using the Hamiltonian Mean Field model, *Physica A* (2017), https://doi.org/10.1016/j.physa.2017.09.095

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ACCEPTED MANUSCRIPT

Mass Segregation Phenomena using the Hamiltonian Mean Field Model

J.R. Steiner and Zolacir T. O. Jr

Highlights:

- The usage of Hamiltonian Mean Field model to the study of mass segregation phenomena.
- Show that the time scale for the QSS in systems with different masses is N and not N² as for identical particles.
- We show the explicit emergence of mass segregation in one-dimensional system.

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