

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none"><li>Fernando Haas</li></ul>	authors	<ul style="list-style-type: none"><li>Haas, Fernando</li></ul>	DUPLICATES	1123
	title	Quantum Magnetohydrodynamics	title	Quantum Magnetohydrodynamics		
	publication_date	2005-03-02 10:18:42+00:00	publication_date	2005-03-02 00:00:00		
	source	SupportedSources.ARXIV	source	SupportedSources.CORE		
	journal	None	journal			
	volume		volume			
	doi		doi	None		
	urls	<ul style="list-style-type: none"><li>http://arxiv.org/pdf/physics/0503021v1</li><li>http://arxiv.org/abs/physics/0503021v1</li><li>http://arxiv.org/pdf/physics/0503021v1</li></ul>	urls	<ul style="list-style-type: none"><li>http://arxiv.org/abs/physics/0503021</li></ul>		
	id	id-3750253899058461940	id	id4095655876944478823		
	abstract	The quantum hydrodynamic model for charged particle systems is extended to the cases of non zero magnetic fields. In this way, quantum corrections to magnetohydrodynamics are obtained starting from the quantum hydrodynamical model with magnetic fields. The quantum magnetohydrodynamics model is analyzed in the infinite conductivity limit. The conditions for equilibrium in ideal quantum magnetohydrodynamics are established. Translationally invariant exact equilibrium solutions are obtained in the case of the ideal quantum magnetohydrodynamic model.	abstract	The quantum hydrodynamic model for charged particle systems is extended to the cases of non zero magnetic fields. In this way, quantum corrections to magnetohydrodynamics are obtained starting from the quantum hydrodynamical model with magnetic fields. The quantum magnetohydrodynamics model is analyzed in the infinite conductivity limit. The conditions for equilibrium in ideal quantum magnetohydrodynamics are established. Translationally invariant exact equilibrium solutions are obtained in the case of the ideal quantum magnetohydrodynamic model.Comment: 2 figure		
	versions		versions			