cases	doc_1		doc_2		decision	id
	authors	• Fernando Haas	**authors**	• Fernando Haas	DUPLICATES	462
	title	Quantum Magnetohydrodynamics	**title**	Quantum Magnetohydrodynamics		
	publication_date	2005-03-02 00:00:00	**publication_date**	2005-03-02 10:18:42+00:00		
	source	SupportedSources.INTERNET_ARCHIVE	**source**	SupportedSources.ARXIV		
	journal		**journal**	None		
	volume		**volume**			
	doi		**doi**			
	urls	• https://web.archive.org/web/20191022001147/https://arxiv.org/pdf/physics/0503021v1.pdf	**urls**	• http://arxiv.org/pdf/physics/0503021v1 • http://arxiv.org/abs/physics/0503021v1 • http://arxiv.org/pdf/physics/0503021v1		
	id	id7609644298697848456	**id**	id-3750253899058461940		
	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.		
	versions		**versions**			