

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Xumin GuYanjin Wang	authors	<ul style="list-style-type: none">Xumin GuYanjin Wang	NOT DUPLICATES	1246
	title	On the construction of solutions to the free-surface incompressible ideal magnetohydrodynamic equations	title	On the construction of solutions to the free-surface incompressible ideal magnetohydrodynamic equations		
	publication_date	2016-09-22 00:00:00	publication_date	2016-09-22 00:00:00		
	source	SupportedSources.OPENALEX	source	SupportedSources.INTERNET_ARCHIVE		
	journal	arXiv (Cornell University)	journal			
	volume		volume			
	doi	10.48550/arxiv.1609.07013	doi			
	urls	<ul style="list-style-type: none">https://openalex.org/W2525819183https://doi.org/10.48550/arxiv.1609.07013http://arxiv.org/pdf/1609.07013	urls	<ul style="list-style-type: none">https://web.archive.org/web/20191020213200/https://arxiv.org/pdf/1609.07013v1.pdf		
	id	id-8339655156535330954	id	id-1702114759281180184		
	abstract		abstract	We consider a free boundary problem for the incompressible ideal magnetohydrodynamic equations that describes the motion of the plasma in vacuum. The magnetic field is tangent and the total pressure vanishes along the plasma-vacuum interface. Under the Taylor sign condition of the total pressure on the free surface, we prove the local well-posedness of the problem in Sobolev spaces.		
	versions		versions			