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			authors	• Song Jiang • Qiangchang Ju • Fucai Li	NOT DUPLICATES	1292
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	doi	10.1137/100785168	**urls**	• http://arxiv.org/pdf/1010.5296v1 • http://arxiv.org/abs/1010.5296v1 • http://arxiv.org/pdf/1010.5296v1		
	urls	• https://www.semanticscholar.org/paper/cb20d838f4512542ba12d9ce453ef039348c4448	**id**	id-2461111356977596632		
	id	id-8945848353159560303	**abstract**	This paper is concerned with the incompressible limit of the compressible magnetohydrodynamic equations with periodic boundary conditions. It is rigorously shown that the weak solutions of the compressible magnetohydrodynamic equations converge to the strong solution of the viscous or inviscid incompressible magnetohydrodynamic equations as long as the latter exists both for the well-prepared initial data and general initial data. Furthermore, the convergence rates are also obtained in the case of the well-prepared initial data.		
	abstract	This paper is concerned with the incompressible limit of the compressible magnetohy- drodynamic equations with vanishing viscosity coefficients and general initial data in the whole space R d (d = 2 or 3). It is rigorously showed that, as the Mach number, the shear viscosity coefficient, and the magnetic diffusion coefficient simultaneously go to zero, the weak solutions of the compress- ible magnetohydrodynamic equations converge to the strong solution of the ideal incompressible magnetohydrodynamic equations as long as the latter exists.	**versions**			
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