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	authors	<ul style="list-style-type: none">Berselli, L.Catania, D.Lewandowski, R.	authors	<ul style="list-style-type: none">Luigi C. BerselliDavide CataniaRoger Lewandowski		
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	id	id8098137595650404481	id	id-6005388194890203100		
	abstract		abstract	We consider two Large Eddy Simulation (LES) models for the approximation of large scales of the equations of Magnetohydrodynamics (MHD in the sequel). We study two α -models, which are obtained adapting to the MHD the approach by Stolz and Adams with van Cittert approximate deconvolution operators. First, we prove existence and uniqueness of a regular weak solution for a system with filtering and deconvolution in both equations. Then we study the behavior of solutions as the deconvolution parameter goes to infinity. The main result of this paper is the convergence to a solution of the filtered MHD equations. In the final section we study also the problem with filtering acting only on the velocity equation.		
	versions		versions			