

BPI Review Form 070520

Book Name:	Current Research Progress in Physical Science
Manuscript Number:	Ms_BPR_1372
Title of the Manuscript:	Dynamo Theory, Nonlinear Magnetic Fields, and the Euler Potentials
Type of the Article	Book chapter

PART 1: Review Comments

	Reviewer's comment	Author's comment (If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here)
Is the manuscript important for the scientific community? Please write a few sentences explaining your answer	The dynamo theory of Larmor and his followers became part of phenomenological approaches to plasma processes and cosmological problems. Using Euler fluids with non-realistic point masses, researchers have to redefine the origin of nonlinear magnetic responses every decade.	
Is the title of the article suitable? Do you have any alternative Title in your mind?	Properties of Euler's Potentials in the Dynamo Theory	
Is the abstract of the article comprehensive? If your answer is No, please provide suggestions	Yes	
Do you think the English quality of the article is suitable for scholarly communications? If your answer is No, please provide suggestions	Yes.The author's constraints on the Euler potentials can reinterpret their meaning in further investigations.	
Please provide your comments regarding the appropriateness of different sections of the manuscript.	Leave the section titles as they are. "The useful form of (17) is as follows." should be replaced in section 2 by "The useful form of (4) is as follows:". The transition from Maxwell's partial derivative to Lagrange's full derivative in (4) and (5) should be explained to the readers. The text "Since the direction of motion is perpendicular to the magnetic field line, $\mathbf{U} \cdot \mathbf{B} = 0$. Multipl by $\nabla \cdot$ " after equation (8) must be completed. F_{visc} and $\sum f$ should be properly specified after equation (19). All text should be thoroughly double-checked.	
Do you think that the references in the manuscript are proper, recent and sufficient? If you have any suggestions, please write here.	Yes	

PART 2:

	Reviewer’s comment	Author’s comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Igor Bulyzhenkov
Department, University & Country	Institute of Gravitation and Cosmology, RUDN University, Russia