

Review Form 1.7

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_112364
Title of the Manuscript:	Global solutions of an initial boundary value problem for the Euler-Poisson-Korteweg System
Type of the Article	Original Research Article

PART 1: Review Comments

	Reviewer's comment	Author's comment (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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The manuscript discusses the system of high-dimensional compressible Euler-Poisson-Korteweg (EPK) equations and considers the global existence of its solutions using the energy method, which may have implications for the scientific community involved in mathematical modeling of physical processes.</p> <p>2. The title of the article "Global solutions of the initial boundary value problem for the Euler-Poisson-Korteweg system" is appropriate; it reflects the main topic and methodology of the study.</p> <p>3. The abstract of the article provides general information about the content of the study, but could be improved by adding more specific results and conclusions.</p> <p>4. The structure of the manuscript complies with generally accepted standards, including introduction, theoretical part, proof of theorems, and conclusion.</p> <p>5. The manuscript presents a mathematical model and justifies the global existence of solutions for the EPK system, which makes it scientifically correct in the context of mathematical analysis.</p> <p>6. References include works that discuss similar mathematical models and the existence of solutions. Additional references may be offered to current research in the field of compressible equations or to the application of the model to specific applications.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</p>	<p>In this manuscript, it is desirable to add a more detailed clarification of the purpose and a clear definition of the practical application of the study in the "Abstract" section.</p> <p>Considerable attention is needed not only to the formulation of the purpose, but also to clarify the context of application of the results obtained, providing the reader with a deeper understanding of the significance of the study.</p> <p>In addition to this, the manuscript should introduce a new "Conclusions" section, which is a synthesis of the key findings and results of the study. In this section, it is necessary to emphasize the significance of the discovered patterns and identified features, providing the reader with a more complete understanding of the significance of the work done.</p> <p>Thus, by updating this manuscript, it not only expands the overview of the purpose and application of the study, but also expands it with new sections, enriching the structure of the work and providing a deeper understanding of the content and conclusions of the study.</p>	

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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:	Zharasbek Baishemirov
Department, University & Country	Abai Kazakh National Pedagogical University, Kazakhstan