

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_109151
Title of the Manuscript:	NON-SHANNON PERSPECTIVE ON CHANNEL CAPACITY FOR BINARY SOURCE CODES USING WEIGHTED CONDITIONAL ENTROPY
Type of the Article	

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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><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>		
<p><u>Minor</u> REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 		
<p><u>Optional/General</u> comments</p>	<p><u>Comments:</u></p> <p>The authors mention that noisy channels have a shallow capacity. Could you elaborate on what types of channels are considered "noisy" and why they tend to have low capacity? Is it due to high amounts of noise, interference, or distortion? Some examples may help illustrate the key characteristics of noisy channels.</p> <ol style="list-style-type: none"> 1. You state that your study has yielded new insights into the channel capacity of noisy channels. What were some previous assumptions or models regarding noisy channel capacity, and how has your work added to the existing body of knowledge? What novel methods or approaches did you use? 2. What are some potential practical applications of these new insights into noisy channel capacity? How could a better understanding of capacity help inform the development of communications systems and protocols for these noisy channels? 3. The authors refer to mathematical models for noisy channels. What new or improved mathematical techniques or models resulted from your recent study? How do these models capture the properties and behavior of noisy channels? 4. You mention that noisy channels could prove helpful for mathematical models in "other contexts" beyond communications. What other potential applications exist for techniques and models that can effectively characterize noisy processes and environments? Are there uses in physics, statistics, or information theory? 	

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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:

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