



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_47041
Title of the Manuscript:	Aperture Maximization with Half-Wavelength Spacing, via a 2-Circle Concentric Array Geometry that is Uniform but Sparse
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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)
Compulsory REVISION comments	<p>A)Equation (6): "is additive complex-valued spatio-temporal white Gaussian" – measured data usually are real, however, in some cases signal and phase is implied. There is need to justify as to why data are complex.</p> <p>B) There is need to provide a reference to the Nyquist theorem in introduction. Also, exact half-wavelength spacing is not enough, sensors need to be spaced at least at $\frac{1}{2}$ wavelength to extract spatial variation</p> <p>C) In general, when one utilizes effectively twice as many sensors, one can expect improvements (as long as the sensors are placed appropriately, in the sense of maximizing information content)</p>	
Minor REVISION comments	Figure captions should be more descriptive. The summary should provide a reasonable presentation of the work. The summary is hard to read in its current form – it appears to be a discussion of a special case.	
Optional/General comments	In Abstract: "Further, the authors demonstrate that the proposed sensor-array geometry has better estimation accuracy than a single ring array." This needs to be quantified – what does "better" mean and what does "estimation accuracy" mean in terms of numbers. I would also suggest to include a short section discussing a specific example of a measurement that uses the 2-ring array. Finally, comments should also include some sentences on Fourier analysis and deconvolution of data to be measured from the specific sensor array.	

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	



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