Quantum Analogs

Name:		Content		Presentation		ation	
Name.		Dist	Distribution Given		Distribu	ıtion	Given
Abstract					1		
, locado	Description of what was done	1_	– з I				
	Accomplishments including key numerical results with uncertainties	2					
	Critical thinking (See note 1 below)				1	2	
	Readability (See note 2 below)				1	_ [
Introduction			-		1		
	Discussion of similarities and differences in the physics of acoustics and QM	4	- 6 l				
	Motivation	2			<u> </u>		
	Critical thinking (See note 1 below)				2	4	
	Readability (See note 2 below)				2	•	
Experimental Procedure			-		1		
,	Description of apparatus	4	- 16 l				
	Relationship between α , θ & ϕ for spherical and broken symmetry configurations	4	_ ` .				
	Measurement procedure	4	_				
	Discussion of potential problems	4					
	Critical thinking (See note 1 below)				2	4	
	Readability (See note 2 below)				2	•	
Results and Analysis					1		
r todalio aria / iriaryolo	Spectra for spherical cavity with $\alpha = 180^{\circ}$	4	- 47				
	Table of measured resonant frequencies with uncertainties and nodal angles	6	_ '' l				
	Comparison of nodal angles with theory	4	_				
	Spectra at $\alpha = 0^{\circ}$, 20° and 40° with explanation of the observation	5	_				
	Polar plots of the acoustic pressure for several resonances with spherical cavity	4	_				
	Comparison of polar plots with spherical symmetry to theory	6	_				
	Spectra of $l = 1$ resonances, labeled by m , with 3 mm, 6 mm & 9 mm spacer rings		_				
	Polar plots of the acoustic pressure for split peaks of $l = 1$ with broken symmetry	4					
	Comparison of polar plots with broken symmetry to theory	6					
	Measurement and description of phase relationship for broken symmetry states	4					
	Critical thinking (See note 1 below)				2	4	
	Readability (See note 2 below)				2	4	
Conclusion	-				1		
	Accomplishments	2	- 3				
	Improvements and future experiments	1	ŭ				
	Critical thinking (See note 1 below)				2	4	
	Readability (See note 2 below)				2	7	

Note 1: Logical progression, clarity, coherency and thoughtful style that demonstrates significance. Note 2: Use of transitions, word choice, proper structure and grammatical correctness.

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Other							
Other	Figure and table captions with correct placement and text reference			2 7			
	Correct numbering of figures, tables, equations, and pages Correct formatting for title, authorship, affiliation and date						
	Correct formatting for title, authorship, affiliation and date Correct format for references with reference indicators in text			1			
	Correct format for references with reference indicators in text			2			
Category Total		75		25			
Report Total							
Final Score	(with 10 point reduction if late)]		
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Overall Comments and S	uggestions						
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