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Experimental Harmonic Motion: A Manual for the Laboratory (Classic Reprint)

By G F C Searle

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Experimental Harmonic Motion: A Manual for the Laboratory The subject of Harmonic Motion presents difficulties to many students. For some reason they fail to get any real grasp of the principles and in consequence dare not trust themselves to apply them to the simple examples they meet with in practical physics, even in those cases where the mathematical analysis is quite elementary. The present little volume is an attempt to meet the difficulty. The simplest parts of the theory of Harmonic Motion are considered in Chapter I. In Chapter II descriptions are given of a number of experiments which illustrate the principles of the subject. Where necessary, the theory of Chapter I is extended to meet the problem in hand. In each case the method has been found by experience to be such that a serious student can rely upon obtaining a result which he will feel is a satisfactory reward of not more than about two hours work. In some cases it would be possible to devise arrangements which would secure greater accuracy, but...



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