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Solutions Manual

prepared by
E. M. Purcell
to accompany

**electricity
and
magnetism**

Berkeley Physics Course—Vol. II

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INTERMEDIATE BOOK COMPANY

Berkeley Physics Course Volume II

Preface to the Solutions Manual

This manual of problem solutions is intended primarily as an aid to instructors teaching from the second volume of the Berkeley Physics Course. They will, I hope, find the manual a useful supplement to the text. The solutions for the less routine problems often include some explanations going beyond the bare requirements of the problem. The instructor would be well advised to peruse the solutions for the more ambitious problems before he assigns them—if only to be warned of traps which were not always foreseen when the problems were devised.

The solutions were checked by Thomas Knight, who found some errors and made many valuable suggestions for improvement and clarification. Many instructors who teach the course in his class would be improved if he revealed that the author made some mistakes in working his own problems so rarely noticed to do so. Numerical errors may still turn up. Notice of such would be most welcome, as would any other suggestion for improvement of the material in the manual. Please address any suggestions to the undersigned at Lyman Laboratory, Harvard University, Cambridge, Mass. 02138.

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E. M. Purcell
Cambridge, May 1965

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Solutions Manual
to accompany
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Jianjun Gao



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