

Engineering Circuit Analysis 8th Hayt Solutions

Document Documents of the Board of Aldermen of the City of New-York Analytical Solutions for Two Ferromagnetic Nanoparticles Immersed in a Magnetic Field International Society of Blood Transfusion, 8th Congress 1960 The Publishers' Trade List Annual Proceedings of the Board of Supervisors of the County of Putnam Journal of the Proceedings of the Board of Supervisors of Putnam County The City Record The City Record Subject Guide to Books in Print Books in Print Supplement Index Medicus Computers in Railways VIII Books in Series Cumulated Index Medicus Official Gazette of the United States Patent and Trademark Office Nuclear Science Abstracts Engineering Electromagnetics British Books in Print Canada Lancet Gehan Anthonys L. Holländer Putnam County (N.Y.). Board of Supervisors Putnam County (N.Y.). Board of Supervisors New York (N.Y.) J. Allan William Hart Hayt Document Documents of the Board of Aldermen of the City of New-York Analytical Solutions for Two Ferromagnetic Nanoparticles Immersed in a Magnetic Field International Society of Blood Transfusion, 8th Congress 1960 The Publishers' Trade List Annual Proceedings of the Board of Supervisors of the County of Putnam Journal of the Proceedings of the Board of Supervisors of Putnam County The City Record The City Record Subject Guide to Books in Print Books in Print Supplement Index Medicus Computers in Railways VIII Books in Series Cumulated Index Medicus Official Gazette of the United States Patent and Trademark Office Nuclear Science Abstracts Engineering Electromagnetics British Books in Print Canada Lancet Gehan Anthonys L. Holländer Putnam County (N.Y.). Board of Supervisors Putnam County (N.Y.). Board of Supervisors New York (N.Y.) J. Allan William Hart Hayt

the investigation of the behavior of ferromagnetic particles in an external magnetic field is important for use in a wide range of applications in magnetostatics problems from biomedicine to engineering to the best of the author's knowledge the systematic analysis for this kind of investigation is not available in the current literature therefore this book contributes a complete solution for investigating the behavior of two ferromagnetic spherical particles immersed in a uniform magnetic field by obtaining exact mathematical models on a boundary value problem while there are a vast number of common numerical and analytical methods

for solving boundary value problems in the literature the rapidly growing complexity of these solutions causes increase usage of the computer tools in practical cases we analytically solve the boundary value problem by using a special technique called a bispherical coordinates system and the numerical computations were obtained by a computer tool in addition to these details we will present step by step instructions with simple explanations throughout the book in an effort to act as inspiration in the reader s own modeling for relevant applications in science and engineering on the other hand the resulting analytical expressions will constitute benchmark solutions for specified geometric arrangements which are beneficial for determining the validity of other relevant numerical techniques the generated results are analyzed quantitatively as well as qualitatively in various approaches moreover the methodology of this book can be adopted for real world applications in the fields of ferrohydrodynamics applied electromagnetics fluid dynamics electrical engineering and so forth higher level university students academics engineers scientists and researchers involved in the aforementioned fields are the intended audience for this book

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