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By Stephen Lyle



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This book examines the problems with the LD equation in flat spacetime and details its extension to curved spacetime. It compares different equivalence principles as well as vindicates some.



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Editorial Review

From the Back Cover

There has been a long debate about whether uniformly accelerated charges should radiate electromagnetic energy and how one should describe their worldline through a flat spacetime, i.e., whether the Lorentz-Dirac equation is right. There are related questions in curved spacetimes, e.g., do different varieties of equivalence principle apply to charged particles, and can a static charge in a static spacetime radiate electromagnetic energy? The problems with the LD equation in flat spacetime are spelt out in some detail here, and its extension to curved spacetime is discussed. Different equivalence principles are compared and some vindicated. The key papers are discussed in detail and many of their conclusions are significantly revised by the present solution.

About the Author

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Users Review

From reader reviews:

Leigh Weimer:

As people who live in the particular modest era should be change about what going on or info even knowledge to make these individuals keep up with the era that is always change and progress. Some of you maybe will certainly update themselves by reading books. It is a good choice in your case but the problems coming to anyone is you don't know what type you should start with. This Uniformly Accelerating Charged Particles: A Threat to the Equivalence Principle (Fundamental Theories of Physics) is our recommendation to cause you to keep up with the world. Why, because this book serves what you want and want in this era.

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