



Guide to Mitigating Spacecraft Charging Effects

Henry B. Garrett, Albert C. Whittlesey

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The definitive guide to the modern body of spacecraft charging knowledge—from first principles for the beginner to intermediate and advanced concepts

The only book to blend the theoretical and practical aspects of spacecraft charging, *Guide to Mitigating Spacecraft Charging Effects* defines the environment that not only creates the aurora, but which also can have significant effects on spacecraft, such as disruption of science measurements and solar arrays from electrostatic discharge (ESD). It describes in detail the physics of the interaction phenomenon as well as how to construct spacecraft to enhance their survivability in the harsh environment of space.

Combining the authors' extensive experience in spacecraft charging—and in their provision of design support to NASA, JPL, the commercial satellite market, and numerous other projects—this incredible book offers both a robust physics background and practical advice for neophytes in the field and experienced plasma physicists and spacecraft engineers.

In addition to containing numerous equations, graphs, tables, references, and illustrations, *Guide to Mitigating Spacecraft Charging Effects* covers:

- Solar cell technology, especially higher voltage arrays, and the new design approaches that are appropriate for them
- Information about the space plasma environment
- New analytic computer codes to analyze spacecraft charging
- Spacecraft anomalies and failures which emphasized designs that are of greater importance than others

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Exactly why? Because this Guide to Mitigating Spacecraft Charging Effects is an unordinary book that the inside of the book waiting for you to snap that but latter it will jolt you with the secret that inside. Reading this book close to it was fantastic author who write the book in such amazing way makes the content inside of easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you because of not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of gains than the other book possess such as help improving your ability and your critical thinking technique. So , still want to postpone having that book? If I were you I will go to the guide store hurriedly.

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