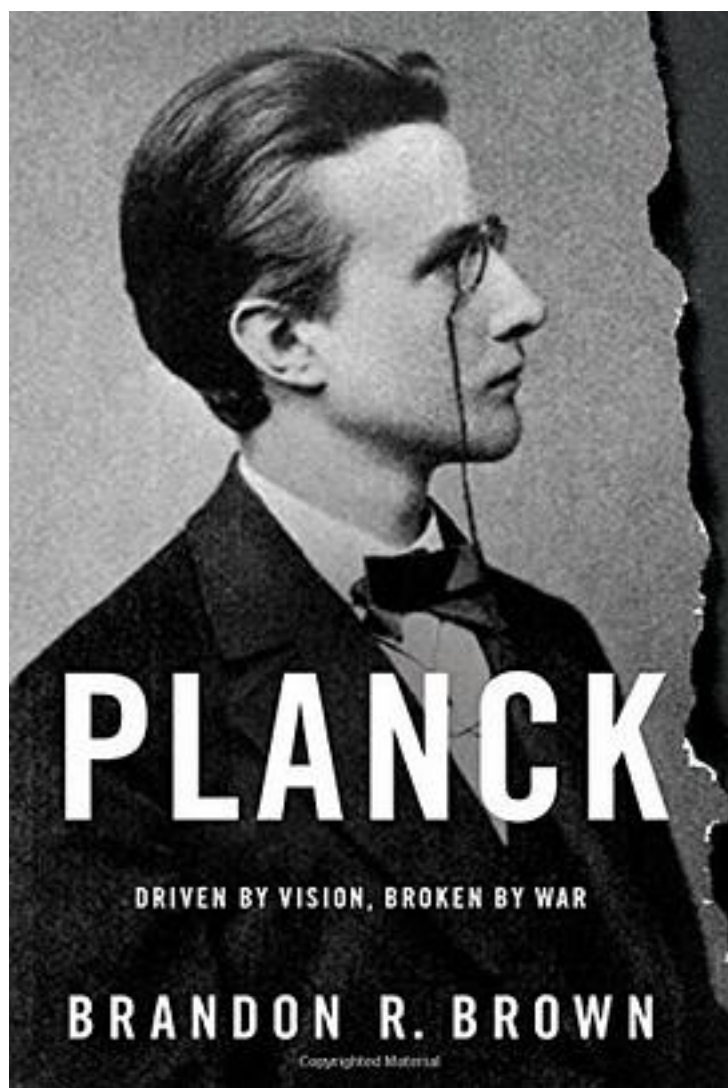


Planck



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著者:Brandon R. Brown

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Planck's Law, an equation used by physicists to determine the radiation leaking from any object in the universe, was described by Albert Einstein as "the basis of all twentieth-century physics." Max Planck is credited with being the father of quantum theory, and his work laid the foundation for our modern understanding of matter and energetic processes. But Planck's story is not well known, especially in the United States. A German physicist working during the first half of the twentieth century, his library, personal journals, notebooks, and letters were all destroyed with his home in World War II. What remains, other than his contributions to science, are handwritten letters in German shorthand, and tributes from other scientists of the time, including his close friend Albert Einstein.

In *Planck: Driven by Vision, Broken by War*, Brandon R. Brown interweaves the voices and writings of Planck, his family, and his contemporaries-with many passages appearing in English for the first time-to create a portrait of a groundbreaking physicist working in the midst of war. Planck spent much of his adult life grappling with the identity crisis of being an influential German with ideas that ran counter to his government. During the later part of his life, he survived bombings and battlefields, surgeries and blood transfusions, all the while performing his influential work amidst a violent and crumbling Nazi bureaucracy. When his son was accused of treason related to a bombing, Planck tried to use his standing as a German "national treasure," and wrote direct letters to Hitler to spare his son's life. Brown tells the story of Planck's friendship with the far more outspoken Albert Einstein, and shows how his work fits within the explosion of technology and science that occurred during his life.

The story of a brilliant man living in a dangerous time, Brandon Brown gives Max Planck his rightful place in the history of science, and shows how war-torn Germany deeply impacted his life and work.

作者介绍:

Brandon R. Brown is a Professor of Physics at the University of San Francisco. He completed doctoral training in superconductivity, with postdoctoral work in science communication. His biophysics work on the electric sense of sharks, as covered by NPR and the BBC, has appeared in *Nature*, *The Physical Review*, and other research journals. His writing for general audiences has appeared in *New Scientist*, *SEED*, the *Huffington Post*, and other outlets.

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