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This book aims at making readers develop a better understanding of electrostatic fields using the form of problems and puzzles (summarized as “questions” hereafter) and answers, instead of tedious explanations in ordinary textbooks. The book is filled with the questions with unexpected answers and questions often misunderstood or rarely completely understood, most of which are original. The questions in the book

look simple and very easy to answer at a glance; nevertheless, once students try to solve them, they will find that the questions are really tough nuts to crack. Teachers can also use the questions in the book in their classes. Not only from an academic or an educational point of view, the book is useful also to engineers working in such fields as electrical discharges and their applications, high voltage equipment in DC and AC circuits as well as electrostatic devices. This is because the book introduces various practical applications related to electrostatic fields. The original ideas of the book are based on the following Japanese book written by one of author; T. Takuma:

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Newton, Maxwell, Einstein, and into the deep waters of twentieth-century physics. Wilczek brings us right to the edge of knowledge today, where the core insights of even the craziest quantum ideas apply principles we all understand. The equations for atoms and light are almost the same ones that govern musical instruments and sound; the subatomic particles that are responsible for most of our mass are determined by simple geometric symmetries. Gorgeously illustrated, *A Beautiful Question* is a mind-shifting book that braids the age-old quest for beauty and the age-old quest for truth into a thrilling synthesis. It is a dazzling and important

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