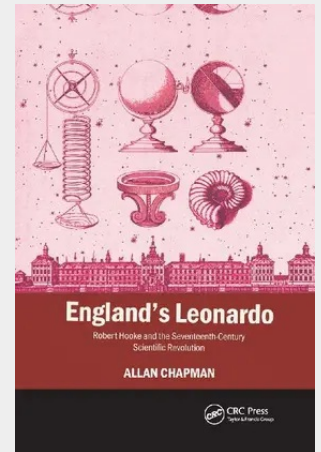


Chapman

England's Leonardo

Robert Hooke and the Seventeenth-Century Scientific Revolution

All physicists are familiar with Hooke's law of springs, but few will know of his theory of combustion, that his *Micrographia* was the first book on microscopy, that his astronomical observations were some of the best seen at the time, that he contributed to the knowledge of respiration, insect flight and the properties of gases, that his work on gravitation preceded that of Newton's, that he invented the universal joint, and that he was an architect of distinction and a surveyor for the City of London after the Great Fire. *England's Leonardo* is a biography of Hooke covering all aspects of his work, from his early life on the Isle of Wight through his time at Oxford University, where he became part of a group who would form the original Fellowship of the Royal Society. The author adopts a novel approach at this stage, dividing the book by chapter according to the fields of research-Physiology, Engineering, Microscopy, Astronomy, Geology, and Optics-in which Hooke applied himself. The book concludes with a chapter considering the legacy of Hooke and his impact on science.



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