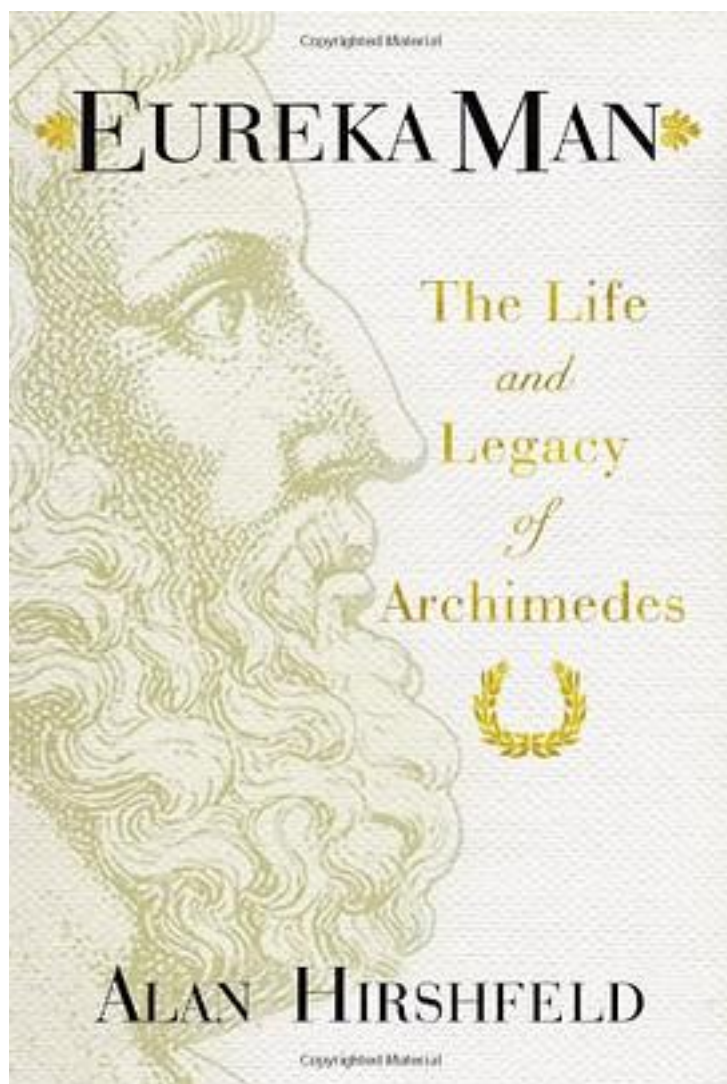


Eureka Man



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The extraordinary genius of Archimedes--scientist, mathematician, engineer, and showman. Many of us know little about Archimedes other than his "Eureka" exclamation upon discovering that he could immerse an object in a full tub of water and measure the spillage to determine the object's volume. That simple observation helped establish the key principles of buoyancy that govern the flotation of hot-air balloons, boats, and denizens of the sea. Archimedes had a profound impact on the development of mathematics and science: from square roots to the stability of ships; number systems to levers; the value of pi to the size of the universe. Yet this same cerebral man developed machines of war that held at bay the greatest army of antiquity. Ironically, Archimedes' reputation swelled to mythic proportions in the ancient world for his feats of engineering: the hand-cranked irrigation device--commonly known as "Archimedes' screw"--and his ingenious use of levers, pulleys, and ropes to launch, single-handedly, a fully laden ship! His rediscovered treatises guided nascent thinkers out of the Dark Ages and into the Renaissance. Indeed, Archimedes' cumulative record of achievement places him among the exalted ranks of Aristotle, Leonardo da Vinci, Isaac Newton, and Albert Einstein. "Eureka Man" brings to life for general readers the genius of Archimedes, offering succinct and understandable explanations of some of his amazing discoveries and innovations.

作者介绍:

目录:

[Eureka Man_下载链接1](#)

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