

1690

Physics and Its World Timeline 1690–1785

1700



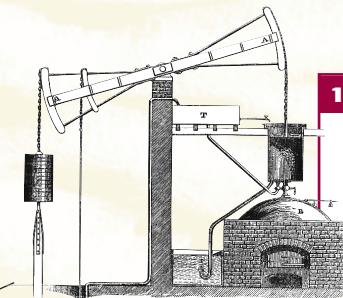
1698 – The Ashanti empire, the last of the major African kingdoms, emerges in what is now Ghana. The Ashanti's strong centralized government and effective bureaucracy enable them to control the region for nearly two centuries.

1710



1715 (approx.) – Chinese writer **Ts'ao Hsüeh-ch'in** is born. The book *The Dream of the Red Chamber*, attributed to him and another writer, is widely regarded today as the greatest Chinese novel.

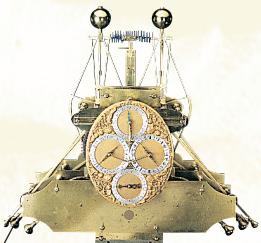
1712



$$eff = \frac{W_{net}}{Q_h}$$

Thomas Newcomen invents the first practical steam engine. Over 50 years later, **James Watt** makes significant improvements to the Newcomen engine.

1720



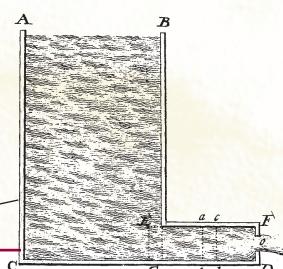
1730



1721 – Johann Sebastian Bach completes the six *Brandenburg Concertos*.

1740

1738 – Under the leadership of Nadir Shah, the Persian Empire expands into India as the Moghul Empire enters a stage of decline.



1738

$$P + \frac{1}{2} \rho v^2 + \rho gh = \text{constant}$$

Daniel Bernoulli's *Hydrodynamics*, which includes his research on the mechanical behavior of fluids, is published.