Weber (Wb) Encyclopedia Article

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The Weber (Wb) is the **International System of Units** (or SI) unit for **magnetic flux**, named in honor of German physicist Wilhelm Eduard Weber, who in 1851 discussed a standardized system of units which included electromagnetic quantities. Magnetic flux is defined as the area integral of the magnetic field vector dotted with the area element vector. In the SI system, 1 Wb is derived from more fundamental units as 1 V s.