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Georg Frobenius

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*Ferdinand Georg Frobenius* (1849 - 1917) German mathematician, best known for being the first to prove the Cayley-Hamilton theorem. Several different mathematical concepts now bear his name, including the Frobenius algebra, various Frobenius morphisms, the Frobenius map, the Frobenius group, the Frobenius inequality, etc.

Born in Charlottenburg, Frobenius earned a doctorate at the University of Berlin for his thesis on differential equations with <http://planetmath.org/KarlWeierstrass> Karl Weierstraß as his advisor. After that he taught mathematics in Berlin and Zürich, and researched group theory (proving the existence of Sylow groups) and number theory. In the lead-up to World War I, Frobenius began investigating matrices. He died in Berlin in 1917 and was buried there.