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The Cayley-Hamilton theorem and similarity invariants. (La théorème de Cayley-Hamilton et les invariants de similitude.)

Quadrature 86, 13-14 (2012).

Summary: An historical study of the Cayley-Hamilton theorem, followed by a counterexample, showing two non similar matrices having the same minimal and characteristic polynomials. The last part of this article is an introduction to the similarity invariants theory.

Classification: H60

Keywords: similarity; matrices; characteristic polynomial; similarity invariants