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``K-theory and Cohomology Theories''

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We offer a brief introduction to the evolution of algebraic and topological K-theory, and we discuss relationships between these K-theories and various cohomology theories. We then proceed to discuss work in progress with Mark Walker which involves the development of "semi-topological K-theory", a theory intermediate between algebraic and topological K-theory. The goal is to produce a theory relevant to algebraic geometry which arises in the more accessible context of algebraic topology.