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**Exponentiation of infinite cardinals.** (Exponenciación de cardinales infinitos.) (Spanish.

English summary) [\[Zbl 1063.03533\]](#)

Lect. Mat. 19, No. 2, 87-125 (1998).

Summary: In this expository paper we present an introduction to the problem of cardinal exponentiation and similar questions in set theory, with special emphasis on the role played by the singular cardinal hypothesis.

**MSC:**

- 03E35 Consistency; independence results (set theory)
- 03E10 Ordinal and cardinal arithmetic
- 03E55 Large cardinals
- 03E04 Ordered sets and their cofinalities
- 03E45 Constructibility, ordinal definability, and related notions
- 03E50 Continuum hypothesis; Martin's axiom (logic)

**Keywords:**

cardinal exponentiation; singular cardinal hypothesis; generalized continuum hypothesis; consistency strength hierarchy; large cardinals; elementary embeddings; forcing; inner models; pcf theory

**Full Text:** [Link](#)