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Positivity of minuscule quantum K-theory

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The quantum K-theory ring of a flag variety is a generalization of the quantum cohomology ring that encodes information about the arithmetic genera of Gromov-Witten varieties in its structure constants. I will speak about a proof that these structure constants have alternating signs for minuscule flag varieties, including Grassmannians of type A, maximal orthogonal Grassmannians, even dimensional quadrics, and two exceptional flag varieties. This is joint work with Chaput, Mihalcea, and Perrin.