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Betti numbers of Graded Moduls and Cohomology tables of Coherent Sheaves

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In a recent paper Boij and Söderberg introduced a series of conjectures, which characterize all possible syzygy numbers of graded modules over the polynomial ring up to rational multiples. In the talk, I report on joined work with David Eisenbud, which proves these conjectures and an analogous statements for cohomology tables of coherent sheaves.

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