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The multidegree of the multi-image variety

The multi-image variety is a subvariety of $\text{Gr}(2, 4)^n$ that models taking pictures with n rational cameras. We compute its cohomology class in the cohomology ring of $\text{Gr}(2, 4)^n$ and its multidegree in the Plücker embedding $(\mathbb{P}^5)^n$. Joint work with Allen Knutson.