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*When is a graph e-positive?*

In 1995 Stanley introduced the chromatic symmetric function of a graph and posed a central question: when can it be written as a linear combination of elementary symmetric functions using only positive coefficients? When it can, the graph is called e-positive. He also presented the Stanley-Stembridge conjecture that a particular kind of clawfree graph is e-positive. In 2024 Hikita announced a proof of this conjecture, but along the way there have been many related results. This talk will explore our 2019 contribution with Hoang and Merkel, as well as some more recent developments.