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**Webs, Spiders, and Springer Fibres**

Let $G = SL_n$ for $n = 2$ or $n = 3$. We will consider two different bases for the space of $G$ invariants in a tensor product of fundamental $G$ representations. The first is constructed via a set of labeled trivalent graphs called webs. The second is indexed by the irreducible components of certain Springer fibres. From a web we can construct a variety with natural projection to a Springer fibre. Using this projection we can then deduce that at $n = 3$ these bases are not equal and that the change of basis is upper unitriangular.

*This is joint work with Joel Kamnitzer and Greg Kuperberg.*