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Sherry Gong* (ggyiran@gmail.com). *On the Kronheimer-Mrowka concordance invariant.*

We will talk about Kronheimer and Mrowka's knot concordance invariant, s^\sharp . We compute the invariant for various knots. Our computations reveal some unexpected phenomena, including that s^\sharp differs from Rasmussen's invariant s , and that it is not additive under connected sums. We also generalize the definition of s^\sharp to links by giving a new characterization of the invariant in terms of immersed cobordisms. (Received September 02, 2019)