1116-14-822   **Padmavathi Srinivasan*** (`padma_sk@math.mit.edu`), Building E18, Room 369, 77 Massachusetts Avenue, Cambridge, MA 02139-4307. *Conductors and minimal discriminants of hyperelliptic curves with rational Weierstrass points.*

Conductors and minimal discriminants are two measures of degeneracy of the singular fiber in a family of hyperelliptic curves. In the case of elliptic curves, the Ogg-Saito formula shows that (the negative of) the Artin conductor equals the naive minimal discriminant. In the case of genus two curves, equality no longer holds in general, but the two invariants are related by an inequality. We investigate the relation between these two invariants for hyperelliptic curves of arbitrary genus. (Received September 13, 2015)