

TRIPLE SYMBOLS IN ARITHMETIC

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Redei introduced an invariant attached to a triple of prime numbers satisfying certain congruence classes. Later, Amano, Mizusawa, and Morishita defined a similar triple symbol for Eisenstein integers. In this talk, we construct a triple symbol for an arbitrary number field, and demonstrate that it reduces to two types of aforementioned triple symbols. It is based on a joint work in progress with Morishita.