Notation

$BA(v, b, s, t)$: a $v \times b$ balanced array of strength $t$ with each entry from a set of $s$ symbols

$OA(v, b, s, t)$: a $v \times b$ orthogonal array of strength $t$ with each entry from a set of $s$ symbols

$\mathbb{F}_q$: a finite field of order $q$

$I_P(C, C_0)$: the intersection multiplicity at a point $P$ of a curve $C$ with a curve $C_0$

$\mathbb{Z}$: the set of integers

$\mathbb{Q}$: the rational number field

$\mathbb{R}$: the real number field

$\mathbb{C}$: the complex number field