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