MultiplierP-32

March 25, 2012

1 Design Map

s are tables	П			
INFO_Pareto	1	0	0	0
TOP.DesignIndex	0	1 1	2	3
TOP.VT	hvt	hvt	hvt	hvt
TOP.Voltage	0.8	0.8	0.8	0.8
	11			
TOP.top_MultiplierP.MultiplierP.BoothType	1	1	1	1
TOP.top_MultiplierP.MultiplierP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top_MultiplierP.MultiplierP.TreeType	Array	OS1	Wallace	ZM
TOP.top_MultiplierP.MultiplierP.Width	32	32	32	32
	ii ii			
INFO_Pareto	1	1	1	1
TOP.DesignIndex	4	5	6	7
TOP.VT	hvt	hvt	hvt	hvt
TOP.Voltage	0.8	0.8	0.8	0.8
TOP.top_MultiplierP.MultiplierP.BoothType	2	2	2	2
TOP.top_MultiplierP.MultiplierP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top_MultiplierP.MultiplierP.TreeType	Array	OS1	Wallace	ZM
TOP.top_MultiplierP.MultiplierP.Width	32	32	32	32
INFO_Pareto	1	l 1 l	1	1
TOP.DesignIndex	8	9	10	11
TOP.VT	hvt	hvt	hvt	hvt
TOP.Voltage	0.8	0.8	0.8	0.8
TOP.top_MultiplierP.MultiplierP.BoothType	3	3	3	3
TOP.top_MultiplierP.MultiplierP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top_MultiplierP.MultiplierP.TreeType		OS1	Wallace	ZM
TOP.top_MultiplierP.MultiplierP.Width	Array 32	32	wanace 32	32
1 Of .top_wintiplierr .wintiplierr . width	32	32	32	32
INFO_Pareto	ii .			
	ll 0	1 1		0 1
	0	1	1 1	0
TOP.DesignIndex	12	13	14	15
${ m TOP.DesignIndex} \ { m TOP.VT}$	12 hvt	13 hvt	14 hvt	15 hvt
TOP.DesignIndex TOP.VT TOP.Voltage	12 hvt 0.8	13 hvt 0.8	14 hvt 0.8	15 hvt 0.9
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType	12 hvt 0.8 4	13 hvt 0.8 4	14 hvt 0.8 NA	15 hvt 0.9 1
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE	12 hvt 0.8 4 OFF	13 hvt 0.8 4 OFF	14 hvt 0.8 NA ON	15 hvt 0.9 1 OFF
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TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE	12 hvt 0.8 4 OFF	13 hvt 0.8 4 OFF	14 hvt 0.8 NA ON	15 hvt 0.9 1 OFF
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TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	12 hvt 0.8 4 OFF Array 32	13 hvt 0.8 4 OFF Wallace 32	14 hvt 0.8 NA ON NA 32	15 hvt 0.9 1 OFF Array 32
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TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width INFO_Pareto TOP.DesignIndex TOP.VT	12 hvt 0.8 4 OFF Array 32 0 16 hvt	13 hvt 0.8 4 OFF Wallace 32 0 17 hvt	14 hvt 0.8 NA ON NA 32	15 hvt 0.9 1 OFF Array 32 0 19 hvt
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType	12 hvt 0.8 4 OFF Array 32 0 16 hvt 0.9	13 hvt 0.8 4 OFF Wallace 32 0 17 hvt 0.9	14 hvt 0.8 NA ON NA 32	15 hvt 0.9 1 OFF Array 32 0 19 hvt 0.9
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INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	1 1 1 0 20 21 22 23 hvt hvt hvt hvt 0.9 0.9 0.9 0.9 2 2 2 3 OFF OFF OFF OFF OS1 Wallace ZM Array 32 32 32
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	1 0 1 0 24 25 26 27 hvt hvt hvt hvt 0.9 0.9 0.9 0.9 3 3 3 4 OFF OFF OFF OFF OS1 Wallace ZM Array 32 32 32
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 1 0 0 28 29 30 31 hvt hvt hvt hvt 0.9 0.9 1.0 1.0 4 NA 1 1 OFF ON OFF OFF Wallace NA Array OS1 32 32 32 32
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INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 0 1 1 48 49 50 51 lvt lvt lvt lvt 0.8 0.8 0.8 0.8 1 2 2 2 OFF OFF OFF OFF ZM Array OS1 Wallace 32 32 32 32
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INFO.Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 0 0 0 60 61 62 63 lvt lvt lvt lvt 0.9 0.9 0.9 0.9 1 1 1 0FF 0FF 0FF 0FF 0FF Array 0S1 Wallace ZM 32 32 32 32
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 1 1 1 1 64 65 66 67 1vt 1vt
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 1 1 0 68 69 70 71 lvt lvt lvt lvt 0.9 0.9 0.9 0.9 3 3 3 3 OFF OFF OFF OFF Array OS1 Wallace ZM 32 32 32 32
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INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	1 1 1 1 96 97 98 99 svt svt svt svt 0.8 0.8 0.8 0.8 2 2 2 3 3 OFF OFF OFF OFF Wallace ZM Array OS1 32 32 32 32
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INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
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INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType TOP.top_MultiplierP.MultiplierP.Width	0 0 0 0 120 121 122 123 svt svt svt svt 1.0 1.0 1.0 1.0 1 1 1 1 OFF OFF OFF OFF Array OS1 Wallace ZM 32 32 32 32
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TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE TOP.top_MultiplierP.MultiplierP.TreeType	0	0	1
TOP.Voltage TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE	132	133	134
TOP.top_MultiplierP.MultiplierP.BoothType TOP.top_MultiplierP.MultiplierP.Designware_MODE	svt	svt	svt
TOP.top_MultiplierP.MultiplierP.Designware_MODE	1.0	1.0	1.0
	4	4	NA
TOP.top_MultiplierP.MultiplierP.TreeType	OFF	OFF	ON
	Array	Wallace	NA
TOP.top_MultiplierP.MultiplierP.Width	32	32	32



















