FMA-64

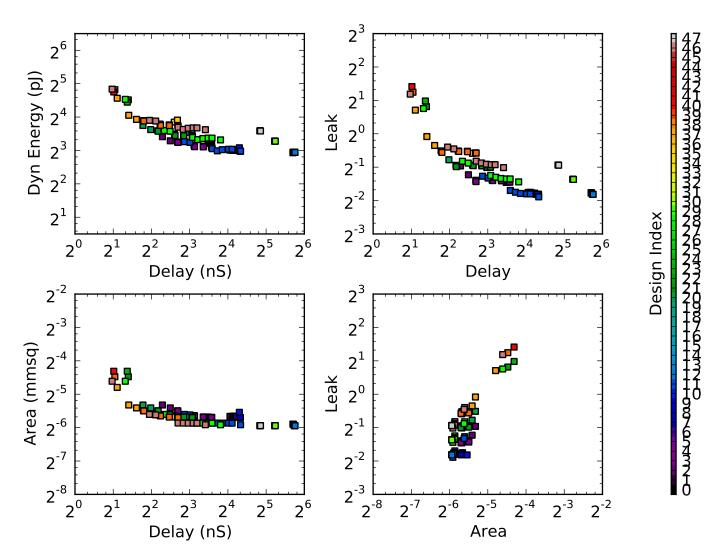
March 25, 2012

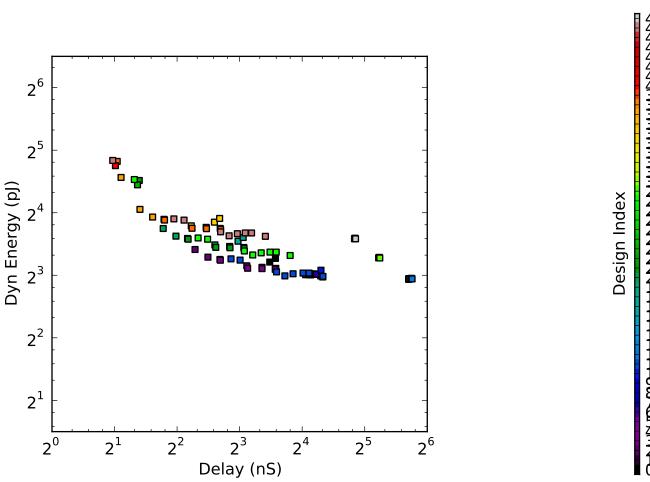
1 Design Map

oles are tables					
INFO_Pareto	0	0	0	0	- 1
TOP.DesignIndex	0	1	2	3	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	1	1	1	1 1	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array	OS1	Wallace	ZM	
TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO	NO	NO	NO	
1 of top 1 mm min osome	1.0	1.0	110	110	_
INFO_Pareto	1	1 0	1 1	1 1	_
TOP.DesignIndex	4	5	6	7	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	2	2	2	2	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array	OS1	Wallace	ZM	
TOP.top_FMA.FMA.FMA_MANO.MOLO.TreeType TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO NO	NO	NO NO	NO NO	
TOF.top_FMA.FMA.Oseinc	NO	NO	NO	NO	
INFO_Pareto		1 1	1 1	1 1	_
	1 8	1 9	1 10	1 11	
TOP.DesignIndex TOP.VT	_				
	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	3	3	3	3	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array	OS1	Wallace	ZM	
TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO	NO	NO	NO	
					_

INFO_Pareto TOP.DesignIndex TOP.VT TOP.VOItage TOP.top.FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA.MANO.MULO.BoothType TOP.top_FMA.FMA.FMA_MANO.MULO.Designware_MODE TOP.top_FMA.FMA.FMA_MANO.MULO.TreeType TOP.top_FMA.FMA.FMA.MANO.MULO.TreeType TOP.top_FMA.FMA.FMA.WANO.MULO.TreeType TOP.top_FMA.FMA.FMA.WANO.MULO.TreeType TOP.top_FMA.FMA.FMA.UseInc	0 12 svt 0.8 OFF YES 11 4 OFF Array 52 NO	1 13 svt 0.8 OFF YES 11 4 OFF Wallace 52 NO	1 14 svt 0.8 OFF YES 11 NA ON NA 52 NO	1 15 svt 0.8 ON YES 11 NA NA NA 52 NO
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType TOP.top_FMA.FMA.FMA.FMADOMOLO.TreeType TOP.top_FMA.FMA.FMA.Designwidth TOP.top_FMA.FMA.UseInc	0 16 svt 0.9 OFF YES 11 1 OFF Array 52 NO	0 17 svt 0.9 OFF YES 11 1 OFF OS1 52 NO	0 18 svt 0.9 OFF YES 11 1 OFF Wallace 52 NO	0 19 svt 0.9 OFF YES 11 1 OFF ZM 52 NO
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA_MANO.MULO.BoothType TOP.top_FMA.FMA.FMA_MANO.MULO.Designware_MODE TOP.top_FMA.FMA.FMA_MANO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.WANO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.WANO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.WANO.MULO.TreeType	1 20 svt 0.9 OFF YES 11 2 OFF Array 52 NO	0 21 svt 0.9 OFF YES 11 2 OFF OS1 52 NO	$\begin{array}{c} 1\\22\\\text{svt}\\0.9\\\text{OFF}\\\text{YES}\\11\\2\\\text{OFF}\\\text{Wallace}\\52\\\text{NO} \end{array}$	1 23 svt 0.9 OFF YES 11 2 OFF ZM 52 NO
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA.MANO.MULO.BoothType TOP.top_FMA.FMA.FMA_MANO.MULO.Designware_MODE TOP.top_FMA.FMA.FMA_MANO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.MOO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.MOO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.DOO.MULO.TreeType TOP.top_FMA.FMA.FMA.FMA.UseInc	0 24 svt 0.9 OFF YES 11 3 OFF Array 52 NO	1 25 svt 0.9 OFF YES 11 3 OFF OS1 52 NO	0 26 svt 0.9 OFF YES 11 3 OFF Wallace 52 NO	0 27 svt 0.9 OFF YES 11 3 OFF ZM 52 NO
INFO_Pareto TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA_MANO.MUL0.BoothType TOP.top_FMA.FMA.FMA_MANO.MUL0.Designware_MODE TOP.top_FMA.FMA.FMA_MANO.MUL0.TreeType TOP.top_FMA.FMA.FMA.MANO.MUL0.TreeType TOP.top_FMA.FMA.FMA.MANO.MUL0.TreeType TOP.top_FMA.FMA.FMA.Designware_MODE TOP.top_FMA.FMA.FMA.Designware_MODE	0 28 svt 0.9 OFF YES 11 4 OFF Array 52 NO	0 29 svt 0.9 OFF YES 11 4 OFF Wallace 52 NO	1 30 svt 0.9 OFF YES 11 NA ON NA 52 NO	1 31 svt 0.9 ON YES 11 NA NA NA 52 NO

INFO_Pareto	0	0	0	0	
TOP.DesignIndex	32	33	34	35	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	1	1	1	1	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array	OS1	Wallace	ZM	
TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO	NO	NO	NO	
TOT .top_P MA.P MA.Oseine	110	110	110	NO	
INFO_Pareto	1	0	1	1 1	
TOP.DesignIndex	36	37	38	39	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	2	2	2	2	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
	_	OFF OS1	Wallace	ZM	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array				
TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO	NO	NO	NO	
INFO_Pareto	0	1	0	0	
TOP.DesignIndex	40	41	42	43	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top_FMA.FMA.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top_FMA.FMA.EnableDenormals	YES	YES	YES	YES	
TOP.top_FMA.FMA.ExponentWidth	11	11	11	11	
TOP.top_FMA.FMA.FMA_MAN0.MUL0.BoothType	3	3	3	3	
TOP.top_FMA.FMA.FMA.MAN0.MUL0.Designware_MODE	OFF	OFF	OFF	OFF	
	_				
TOP.top_FMA.FMA.FMA_MAN0.MUL0.TreeType	Array	OS1	Wallace	ZM	
TOP.top_FMA.FMA.FractionWidth	52	52	52	52	
TOP.top_FMA.FMA.UseInc	NO	NO	NO	NO	
	1				
INFO Pareto	0	1 0	1 1	1 1 1	
INFO_Pareto	0	0	1	1 1	
TOP.DesignIndex	44	45	46	47	
TOP.DesignIndex TOP.VT	44 svt	45 svt	46 svt	47 svt	
TOP.DesignIndex TOP.VT TOP.Voltage	44 svt 1.0	45 svt 1.0	46 svt 1.0	47 svt 1.0	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE	44 svt 1.0 OFF	45 svt 1.0 OFF	46 svt 1.0 OFF	47 svt 1.0 ON	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals	44 svt 1.0 OFF YES	45 svt 1.0 OFF YES	46 svt 1.0 OFF YES	47 svt 1.0 ON YES	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth	44 svt 1.0 OFF YES 11	45 svt 1.0 OFF YES 11	46 svt 1.0 OFF YES 11	47 svt 1.0 ON YES 11	
TOP.DesignIndex TOP.VOT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA.MA.NO.MUL0.BoothType	44 svt 1.0 OFF YES 11 4	45 svt 1.0 OFF YES 11 4	46 svt 1.0 OFF YES 11 NA	47 svt 1.0 ON YES 11 NA	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth	44 svt 1.0 OFF YES 11	45 svt 1.0 OFF YES 11	46 svt 1.0 OFF YES 11	47 svt 1.0 ON YES 11	
TOP.DesignIndex TOP.VOT TOP.Voltage TOP.top_FMA.FMA.Designware_MODE TOP.top_FMA.FMA.EnableDenormals TOP.top_FMA.FMA.ExponentWidth TOP.top_FMA.FMA.FMA.MA.NO.MUL0.BoothType	44 svt 1.0 OFF YES 11 4	45 svt 1.0 OFF YES 11 4	46 svt 1.0 OFF YES 11 NA ON	47 svt 1.0 ON YES 11 NA	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top.FMA.FMA.Designware_MODE TOP.top.FMA.FMA.EnableDenormals TOP.top.FMA.FMA.ExponentWidth TOP.top.FMA.FMA.FMA.MANO.MULO.BoothType TOP.top.FMA.FMA.FMA.MANO.MULO.Designware_MODE	44 svt 1.0 OFF YES 11 4 OFF	45 svt 1.0 OFF YES 11 4 OFF	46 svt 1.0 OFF YES 11 NA ON	47 svt 1.0 ON YES 11 NA NA	
TOP.DesignIndex TOP.VT TOP.Voltage TOP.top.FMA.FMA.Designware_MODE TOP.top.FMA.FMA.EnableDenormals TOP.top.FMA.FMA.ExponentWidth TOP.top.FMA.FMA.FMA_MANO.MUL0.BoothType TOP.top.FMA.FMA.FMA_MANO.MUL0.Designware_MODE TOP.top.FMA.FMA.FMA_MANO.MUL0.TreeType	44 svt 1.0 OFF YES 11 4 OFF Array	45 svt 1.0 OFF YES 11 4 OFF Wallace	46 svt 1.0 OFF YES 11 NA ON NA	47 svt 1.0 ON YES 11 NA NA NA	





FMA-64-Pareto

