

FPMult-64

March 25, 2012

1 Design Map

Tables are tables

INFO_Pareto	0	0	0	0
TOP.DesignIndex	0	1	2	3
TOP.VT	svt	svt	svt	svt
TOP.Voltage	0.8	0.8	0.8	0.8
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES
TOP.top.FPMult.ExponentWidth	11	11	11	11
TOP.top.FPMult.FractionWidth	52	52	52	52
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.BoothType	1	1	1	1
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.TreeType	Array	OS1	OS1	Wallace
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare

INFO_Pareto	0	0	0	0
TOP.DesignIndex	4	5	6	7
TOP.VT	svt	svt	svt	svt
TOP.Voltage	0.8	0.8	0.8	0.8
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES
TOP.top.FPMult.ExponentWidth	11	11	11	11
TOP.top.FPMult.FractionWidth	52	52	52	52
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.BoothType	1	1	1	2
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	ZM	ZM	Array
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare

INFO_Pareto	0	0	1	1
TOP.DesignIndex	8	9	10	11
TOP.VT	svt	svt	svt	svt
TOP.Voltage	0.8	0.8	0.8	0.8
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES
TOP.top.FPMult.ExponentWidth	11	11	11	11
TOP.top.FPMult.FractionWidth	52	52	52	52
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.BoothType	2	2	2	2
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF
TOP.top.FPMult.Mult.MultP.TreeType	Array	OS1	Wallace	Wallace
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	DesignWare	Sklansky

INFO_Pareto	0	0	1	1	
TOP.DesignIndex	12	13	14	15	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	2	3	3	3	
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	ZM	Array	OS1	OS1	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO_Pareto	1	1	0	1	
TOP.DesignIndex	16	17	18	19	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	3	3	3	3	
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	Wallace	ZM	ZM	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO_Pareto	0	0	0	0	
TOP.DesignIndex	20	21	22	23	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.8	0.8	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	4	4	4	4	
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Array	Array	Wallace	Wallace	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO_Pareto	1	1	0	0	
TOP.DesignIndex	24	25	26	27	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.8	0.8	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	NA	NA	1	1	
TOP.top.FPMult.Mult.MultP.Designware_MODE	ON	ON	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	NA	NA	Array	OS1	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	Sklansky	DesignWare	
INFO_Pareto	0	0	0	0	
TOP.DesignIndex	28	29	30	31	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	1	1	1	1	
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	OS1	Wallace	Wallace	ZM	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare	

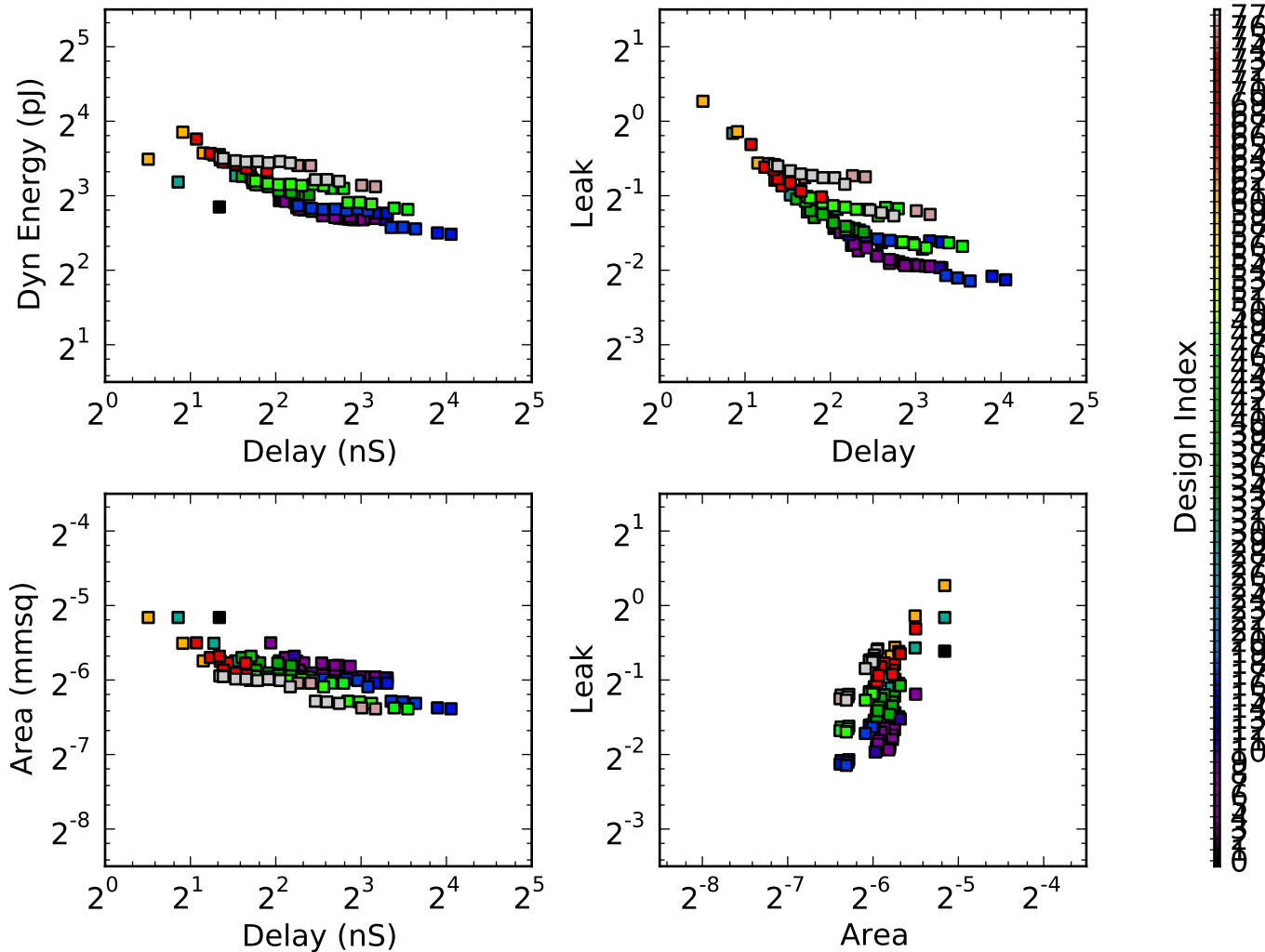
INFO.Pareto	0	0	0	0	
TOP.DesignIndex	32	33	34	35	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	1	2	2	2	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	ZM	Array	Array	OS1	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare	
INFO.Pareto	1	1	0	0	
TOP.DesignIndex	36	37	38	39	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	2	2	2	3	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	Wallace	ZM	Array	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO.Pareto	1	1	1	1	
TOP.DesignIndex	40	41	42	43	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	3	3	3	3	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	OS1	OS1	Wallace	Wallace	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO.Pareto	0	1	0	0	
TOP.DesignIndex	44	45	46	47	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	3	3	4	4	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	ZM	ZM	Array	Array	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO.Pareto	0	0	1	1	
TOP.DesignIndex	48	49	50	51	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	0.9	0.9	0.9	0.9	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	4	4	NA	NA	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	ON	ON	
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	Wallace	NA	NA	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	

INFO.Pareto	0	0	0	0	
TOP.DesignIndex	52	53	54	55	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	1	1	1	1	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Array	OS1	OS1	Wallace	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare	
INFO.Pareto	0	0	0	0	
TOP.DesignIndex	56	57	58	59	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	1	1	1	2	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	ZM	ZM	Array	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	Sklansky	DesignWare	
INFO.Pareto	0	0	1	1	
TOP.DesignIndex	60	61	62	63	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	2	2	2	2	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Array	OS1	Wallace	Wallace	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	Sklansky	DesignWare	DesignWare	Sklansky	
INFO.Pareto	0	0	0	1	
TOP.DesignIndex	64	65	66	67	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	2	3	3	3	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	ZM	Array	OS1	OS1	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	
INFO.Pareto	1	1	0	1	
TOP.DesignIndex	68	69	70	71	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	3	3	3	3	
TOP.top.FPMult.Mult.MultP.Designware.MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Wallace	Wallace	ZM	ZM	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	

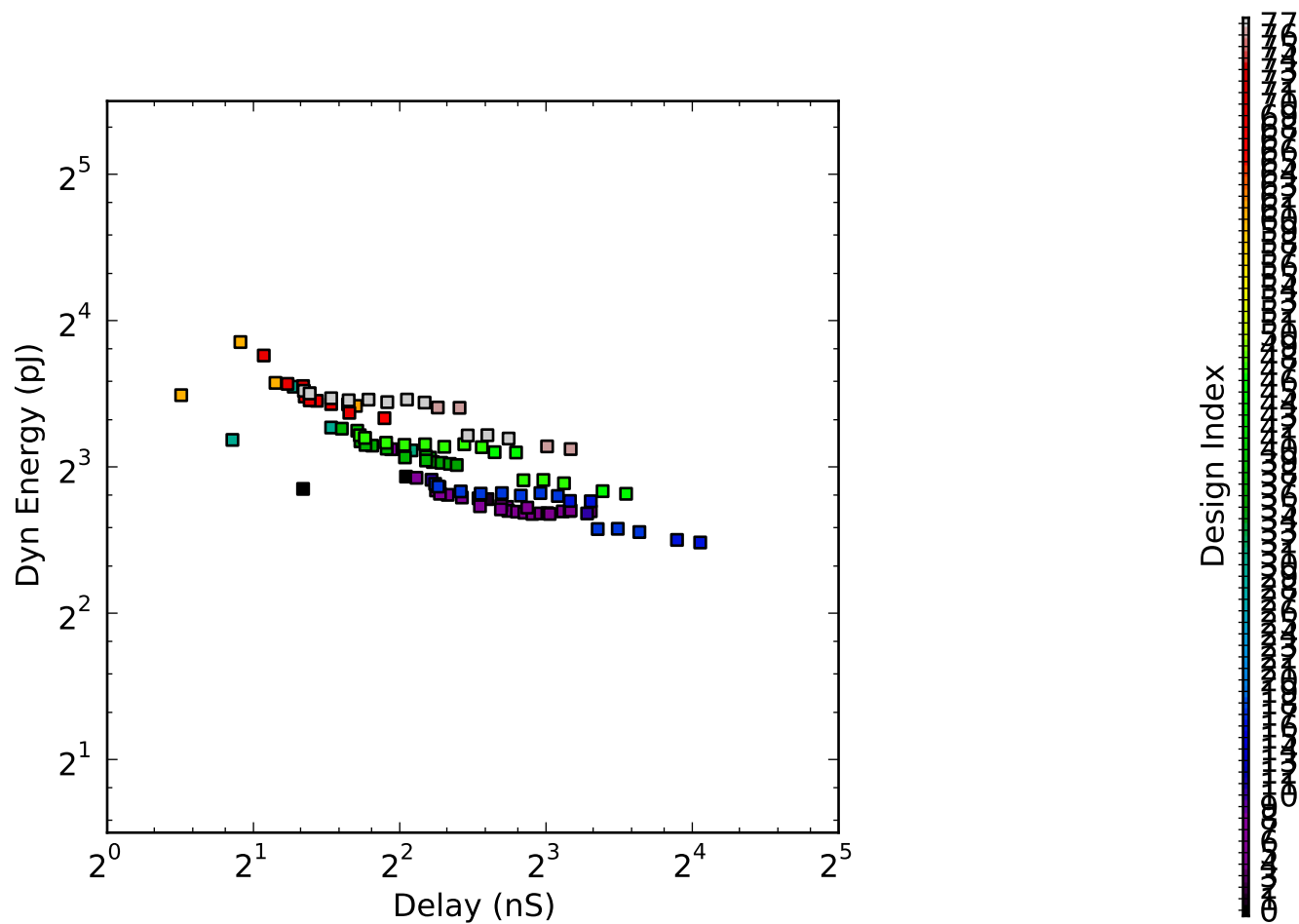
INFO.Pareto	0	0	0	0	
TOP.DesignIndex	72	73	74	75	
TOP.VT	svt	svt	svt	svt	
TOP.Voltage	1.0	1.0	1.0	1.0	
TOP.top.FPMult.EnableDenormals	YES	YES	YES	YES	
TOP.top.FPMult.ExponentWidth	11	11	11	11	
TOP.top.FPMult.FractionWidth	52	52	52	52	
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.BoothType	4	4	4	4	
TOP.top.FPMult.Mult.MultP.Designware_MODE	OFF	OFF	OFF	OFF	
TOP.top.FPMult.Mult.MultP.TreeType	Array	Array	Wallace	Wallace	
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky	DesignWare	Sklansky	

INFO.Pareto	1	1			
TOP.DesignIndex	76	77			
TOP.VT	svt	svt			
TOP.Voltage	1.0	1.0			
TOP.top.FPMult.EnableDenormals	YES	YES			
TOP.top.FPMult.ExponentWidth	11	11			
TOP.top.FPMult.FractionWidth	52	52			
TOP.top.FPMult.Mult.Designware_MODE	OFF	OFF			
TOP.top.FPMult.Mult.MultP.BoothType	NA	NA			
TOP.top.FPMult.Mult.MultP.Designware_MODE	ON	ON			
TOP.top.FPMult.Mult.MultP.TreeType	NA	NA			
TOP.top.FPMult.Mult.PartialProductSum.AdderType	DesignWare	Sklansky			

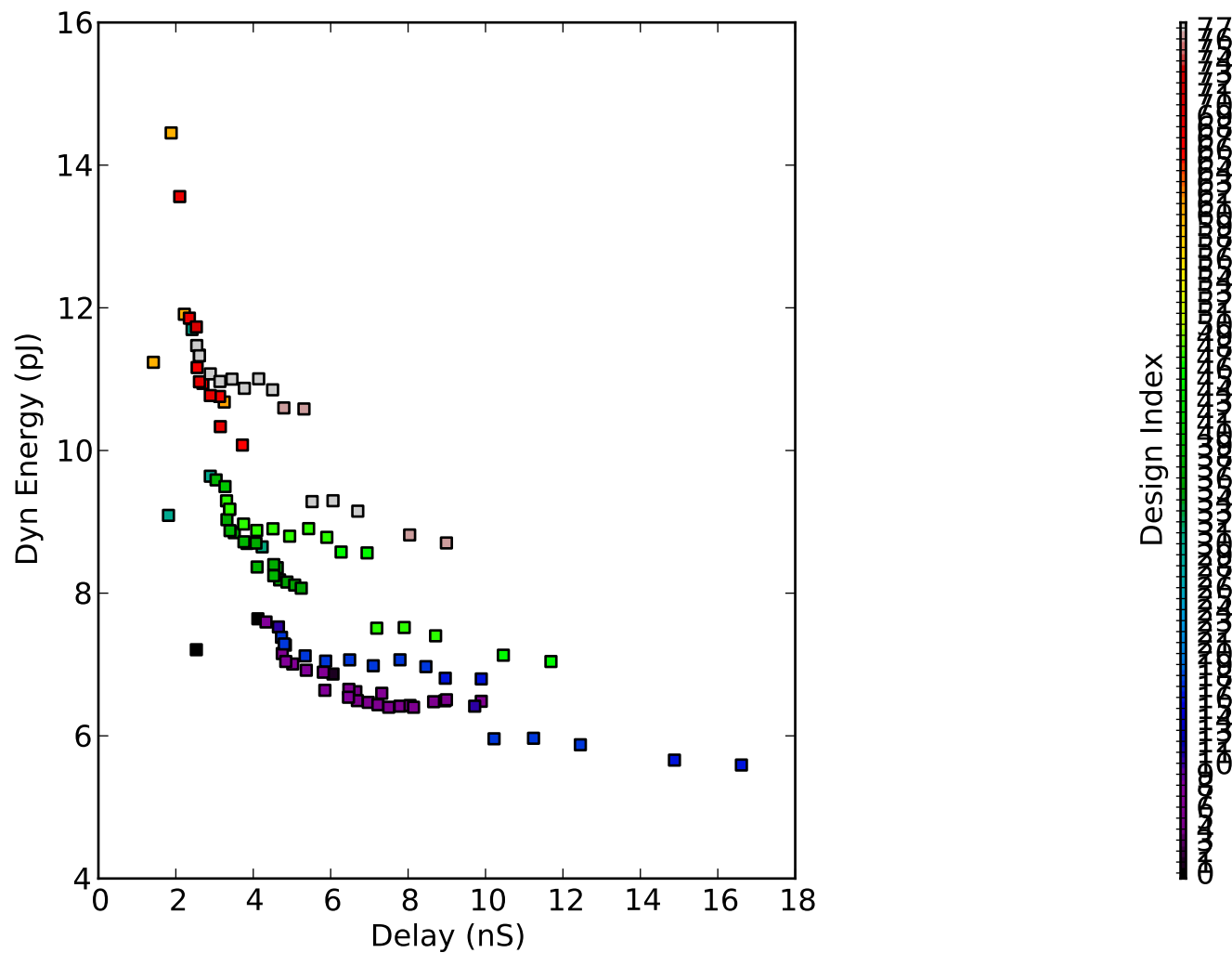
FPMult-64-Pareto



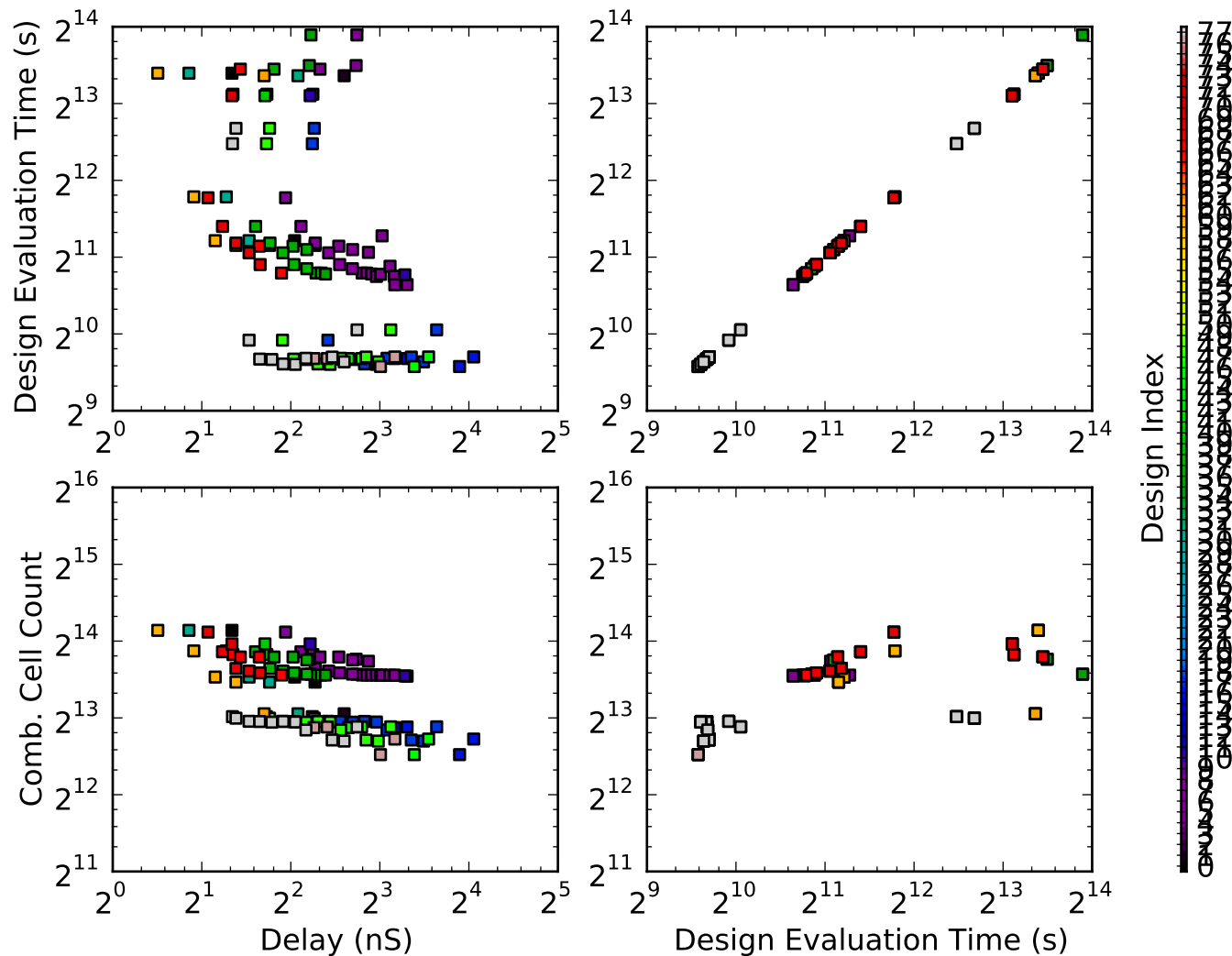
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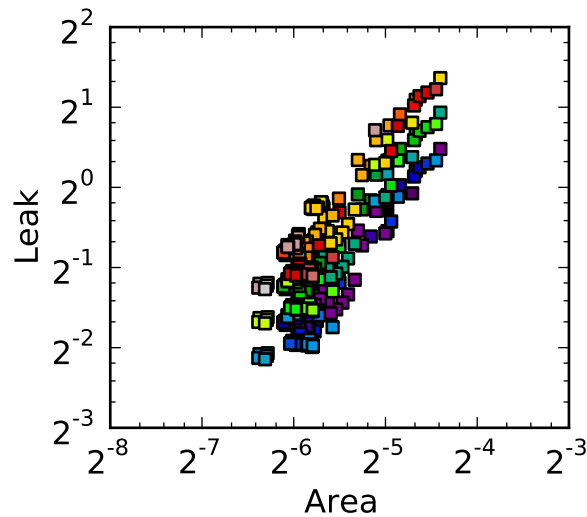
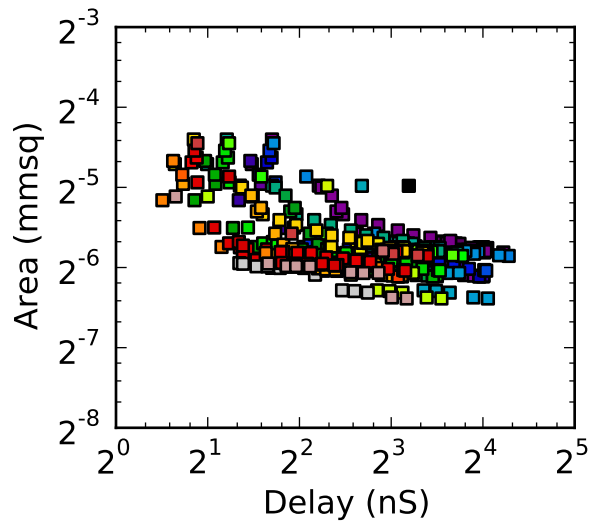
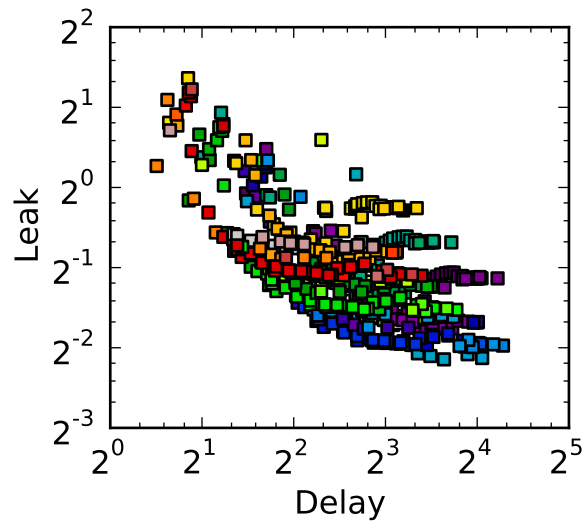
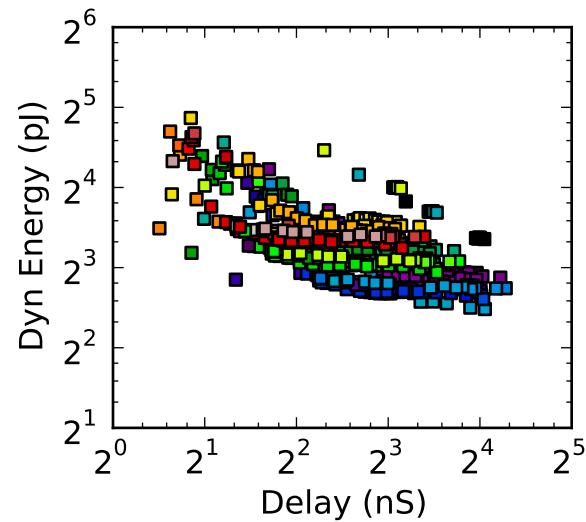
FPMult-64-Pareto



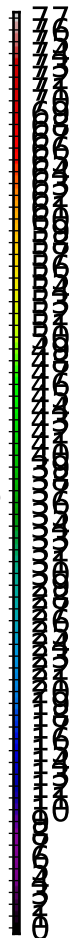
FPMult-64-Pareto



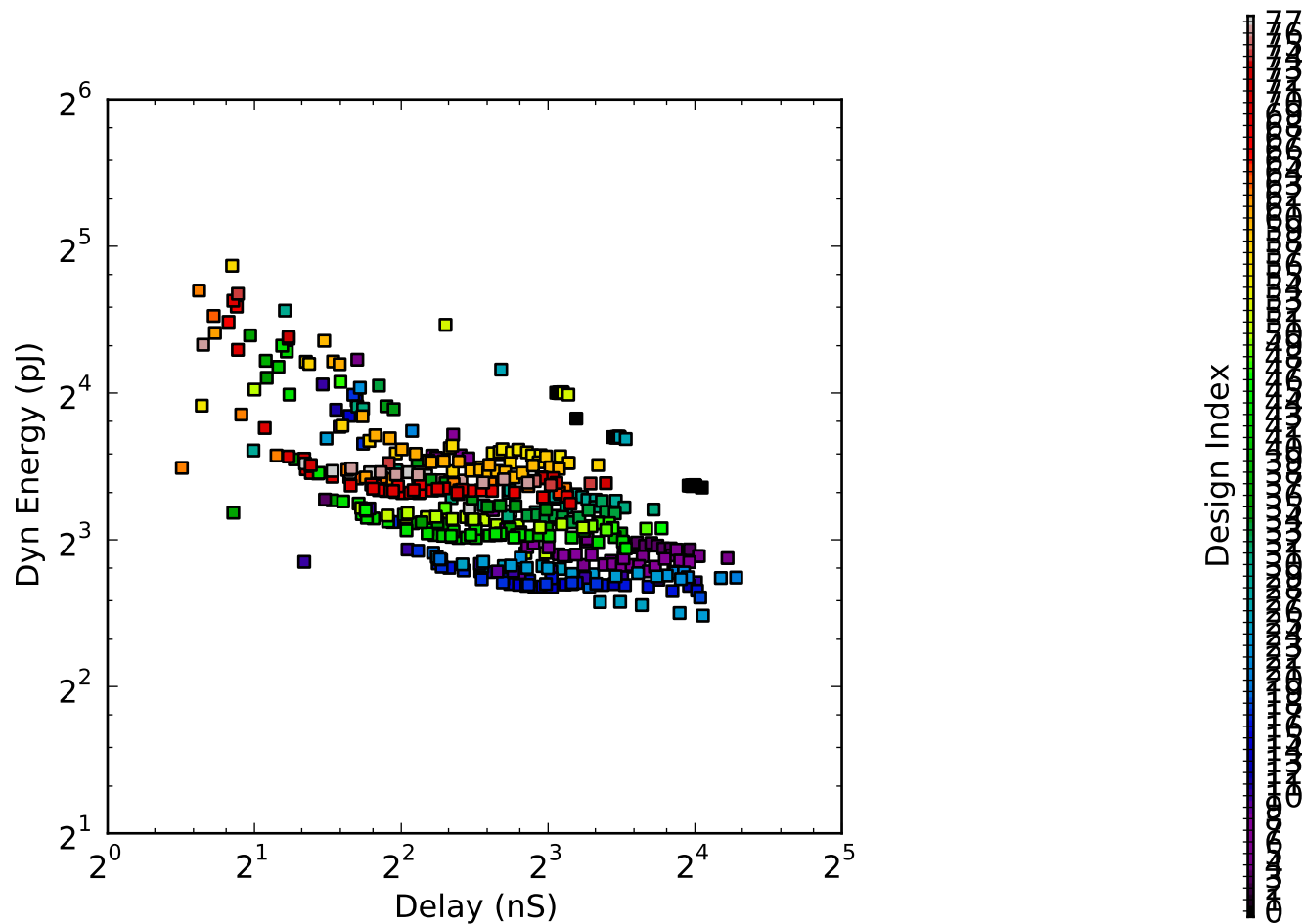
FPMult-64-All



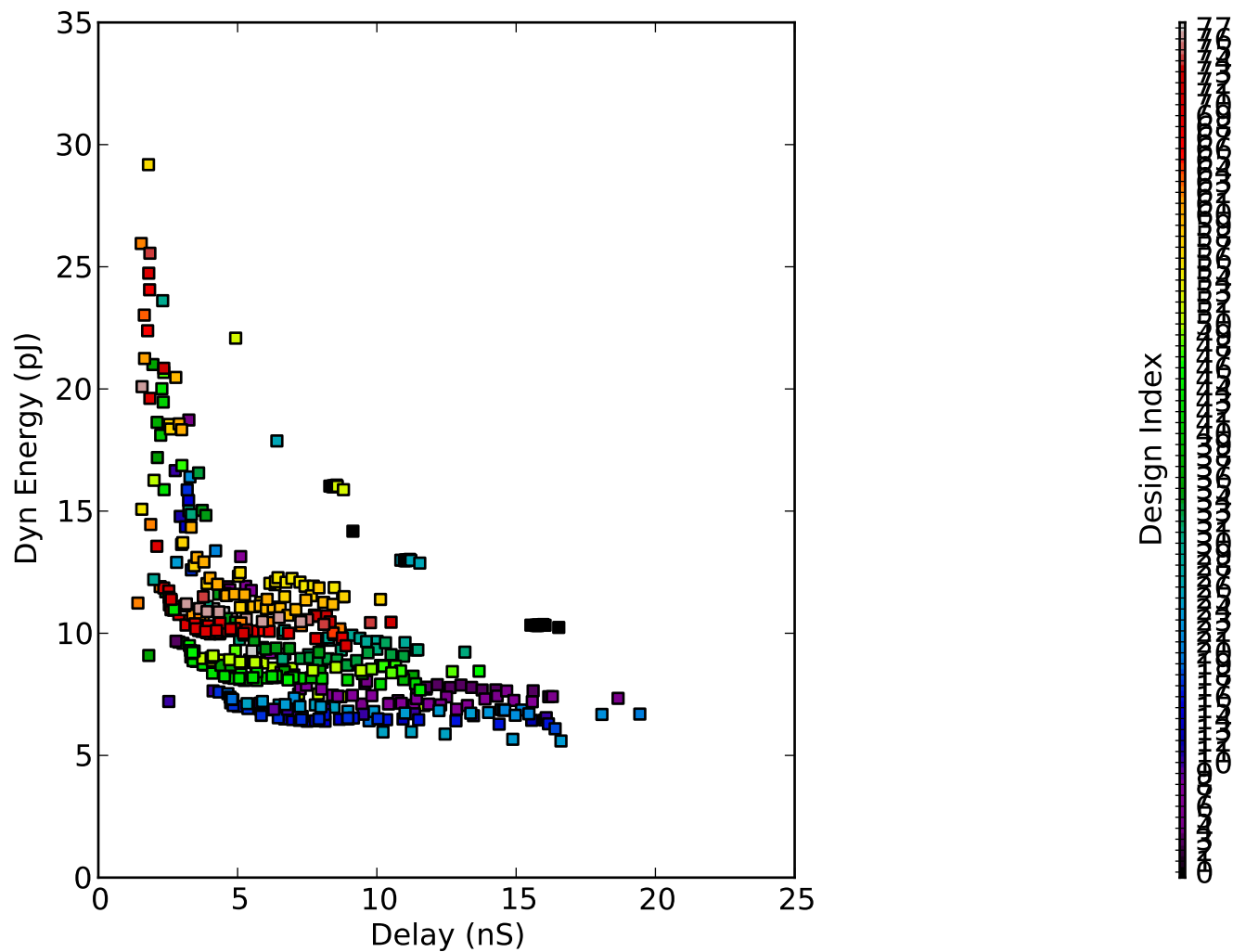
Design Index



FPMult-64-All



FPMult-64-All



FPMult-64-All

