Changes for the Better	for a greener tomorrow
	MITSUBISHI ELECTRIC RESEARCH LABORATORIES Cambridge, Massachusetts
	Saffron Update
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	11/26/2012
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Changes for the Better	MITSUBISHI ELECTRIC MITSUBISHI ELECTRIC RESEARCH LABORATORIES for a greener tomorrow									
Nitro Research - Results										
PPEM	Saffron	Freetype	Nitro: Float	Nitro: C Fixed	Nitro: ASM Fixed	Nitro: C Fixed x64				
20	166000	231000	606000	603000	669000 (4.03x)	843000 (5.08x)				
28	126000	179000	490000	498000	544000 (4.32x)	684000 (5.43x)				
40	87000	143000	387000	394000	430000 (4.94x)	514000 (5.91x)				
60	52000	108000	282000	289000	309000 (5.94x)	359000 (6.90x)				
80	34000	86000	215000	224000	235000 (6.91x)	266000 (7.82x)				
100	24000	68000	175000	180000	188000 (7.83x)	208000 (8.66x)				
200	7800	37000	71000	75000	75000 (9.62x)	79000 (10.13x)				
Glyphs p is x86 a: lengths: 32 bit = 6	er second d ssembly lar 4, 6, 2, 6, 6, 64 bit multip	on an Intel C iguage for a , 28, 28), C F lies to be ger	ore i7 Q840 Cl very small nu ixed x64 is pur erated	PU, Font: Verdana mber of functions e C code with com	, Quality Setting: High (7 functions, only 80 piler settings permittir	est, Symmetric CSM, ASM lines of code, function line g single instruction 32 bit x				

Changes for the Bette	<b>H</b> er	for a greener tomorrow								
Nitro Research - Results										
	DDEAA	Saffron	Frootypo	Nitro: ASAA Fixed	Nitro: C Fixed x44					
	20	144000	231000	704000 (4 25v)	999000 (5.34v)					
	20	124000	179000	572000 (4.23X)	704000 (5.36x)					
	20	87000	1/7000	455000 (4.34X)	544000 (6.25x)					
	40	52000	108000	331000 (4.37v)	393000 (7.37×)					
	80	34000	84000	254000 (7.53x)	287000 (8.44x)					
	100	24000	68000	204000 (7.55X)	222000 (8.44X)					
	200	7800	37000	82000 (10.51x)	85000 (10 90x)					
	Glyphs p ASM is x function instructio	er second on :86 assembly ine lengths: 4 on 32 bit x 32 l	an Intel Core i language for a , 6, 2, 6, 6, 28, bit = 64 bit mult	7 Q840 CPU, Font: Verd very small number of fu 28), C Fixed x64 is pure iplies to be generated	ana, Quality Setting; Normal, Sy nctions (7 functions, only 80 lines C code with compiler settings p	mmetric CSM, s of code, ermitting single				
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