

RAL HS06 results for Spectre/Meltdown

Martin Bly

Raw data

	E5-2660	E5-2650v2	E5-2650v2	E5-2650v2	E5-2640v3	E5-2640v3	E5-2630v3	E5-2630v4
	lcg1555	lcg1611	lcg1675	lcg1739	lcg1803	lcg1863	lcg1999	lcg2151
Microcode original	0x710	0x428	0x428		0x38	0x38	0x38	0xb000025
	693.1.1	693.1.1	693.1.1		693.1.1	693.2.2	693.2.2	
	332.68	368.21	369.50		378.00	382.86	349.80	411.64
	333.93	369.85	368.44		377.68	381.98	349.47	412.49
	331.75	369.69	368.88		379.71	383.18	349.96	412.91
	333.50	368.66	368.70		377.99	382.85	350.45	413.33
	332.34	368.69	368.80		380.77	383.03	349.79	412.46
Geo Mean	332.84	369.02	368.86	-	378.83	382.78	349.89	412.57
	lcg1556	lcg1612	lcg1676	lcg1740	lcg1804	lcg1864	lcg2000	lcg2152
Microcode 20180312	0x715	0x42c	0x42c	0x42c	0x3c	0x3c	0x3c	0xb000025
	693.11.6	693.11.6	693.11.6	693.11.6	693.11.6	693.11.6	693.11.6	693.11.6
	330.46	361.23	362.97	360.75	378.09	381.16	350.11	417.39
	329.33	363.03	363.94	365.25	378.00	382.44	350.83	416.41
	332.16	364.51	362.70	365.50	378.67	382.36	350.66	413.82
	332.56	361.12	363.94	364.21	379.01	383.09	350.09	412.82
	331.03	362.90	366.30	364.40	377.80	381.17	349.52	412.85
Geo Mean	331.11	362.56	363.97	364.02	378.31	382.04	350.24	414.65

Results

	E5-2660	E5-2650v2	E5-2650v2	E5-2650v2	E5-2640v3	E5-2640v3	E5-2630v3	E5-2630v4
	lcg1555	lcg1611	lcg1675	lcg1739	lcg1803	lcg1863	lcg1999	lcg2151
Microcode original	0x710	0x428	0x428		0x38	0x38	0x38	0xb000025
Geo Mean	332.84	369.02	368.86	-	378.83	382.78	349.89	412.57
	lcg1556	lcg1612	lcg1676	lcg1740	lcg1804	lcg1864	lcg2000	lcg2152
Microcode 20180312	0x715	0x42c	0x42c	0x42c	0x3c	0x3c	0x3c	0xb000025
Geo Mean	331.11	362.56	363.97	364.02	378.31	382.04	350.24	414.65
Difference (means)	-1.73	-6.46	-4.90	-	-0.51	-0.74	0.35	2.09
Difference New/Old	99.48%	98.25%	98.67%	-	99.86%	99.81%	100.10%	100.51%
	0.52%	1.75%	1.33%	-	0.14%	0.19%	-0.10%	-0.51%
	E5-2660	E5-2650v2	E5-2650v2	E5-2650v2	E5-2640v3	E5-2640v3	E5-2630v3	E5-2630v4
		Before	368.94		Before	380.80		
Combined by chip type:		After	363.51		After	380.31		
		Delta	-5.43		Delta	-0.49		
		%	98.53%		%	99.87%		
			1.47%			0.13%		