## Multiplication Log of average error for diffferent fixed point data widths

5.69 -3.77 -3.76 -3.76 -3.77 -3.76 -3.76 5.69 -9.28 -9.29 -9.29 -9.29 -<u>9.29 -9.28</u> 16 -**5.71** -14.83-14.83-14.84-14.83-14.83-14.83 Decimal width (bits) **5.74** -20.37-20.37-20.38-20.38-20.37-20.38-20.37 32 40 **5.73** -25.93 -25.92 -25.92 -25.92 -25.92 -25.92 5.75 -30.83 -30.80 - 30.84 - 30.84 - 30.84 - 30.86 - 30.85

5.74 -30.96-30.97-31.05-30.98-30.98-30.97-30.98 56 5,69 -31,00-31,01-30,92-30,99-31,04-30,96-30,98 8 16 24 32 56 64 40 48 Integer width (bits)