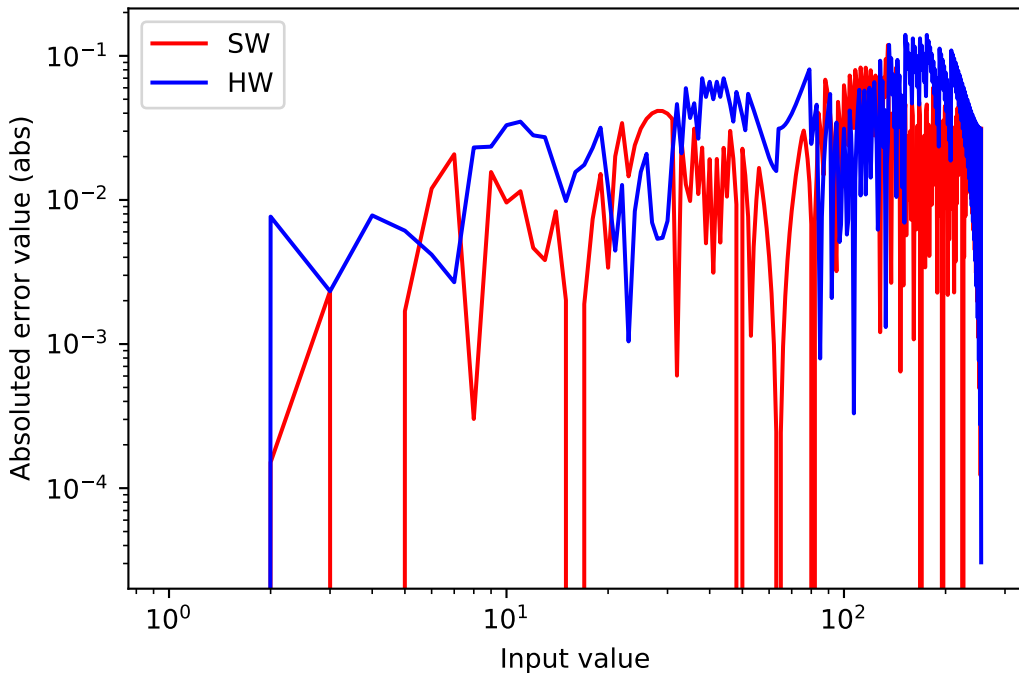Abs of absolute error value varies based on the input
(Fixed, WIDTH = 8, NUM_SEG = 16)

SW (red line)
Min = 0, Max = 0.11895003862225018

HW (blue line)
Min = 0, Max = 0.13992199406204797