## Benchmark problem 1: $f(x) = x\sin x$ $p_f = 1.0e - 04$ 40 30 20 10 0 --10-20-30 $p_f = 1.0e - 06$ f(x) $p_f = 1.0e - 04$ -40 <del>|</del> -100 5 10 15 20

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