

Practical integrator using operational amplifier

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0.1 Aim

To design and test a $\mu A741$ -based voltage integrator for a sinusoidal input $V_{in}(t) = 2\sin(4000\pi t)$.

0.2 Components required

0.3 Theory

0.4 Design

0.5 Calculations

0.6 Simulation

0.7 Waveforms

0.8 Observations

0.9 Result

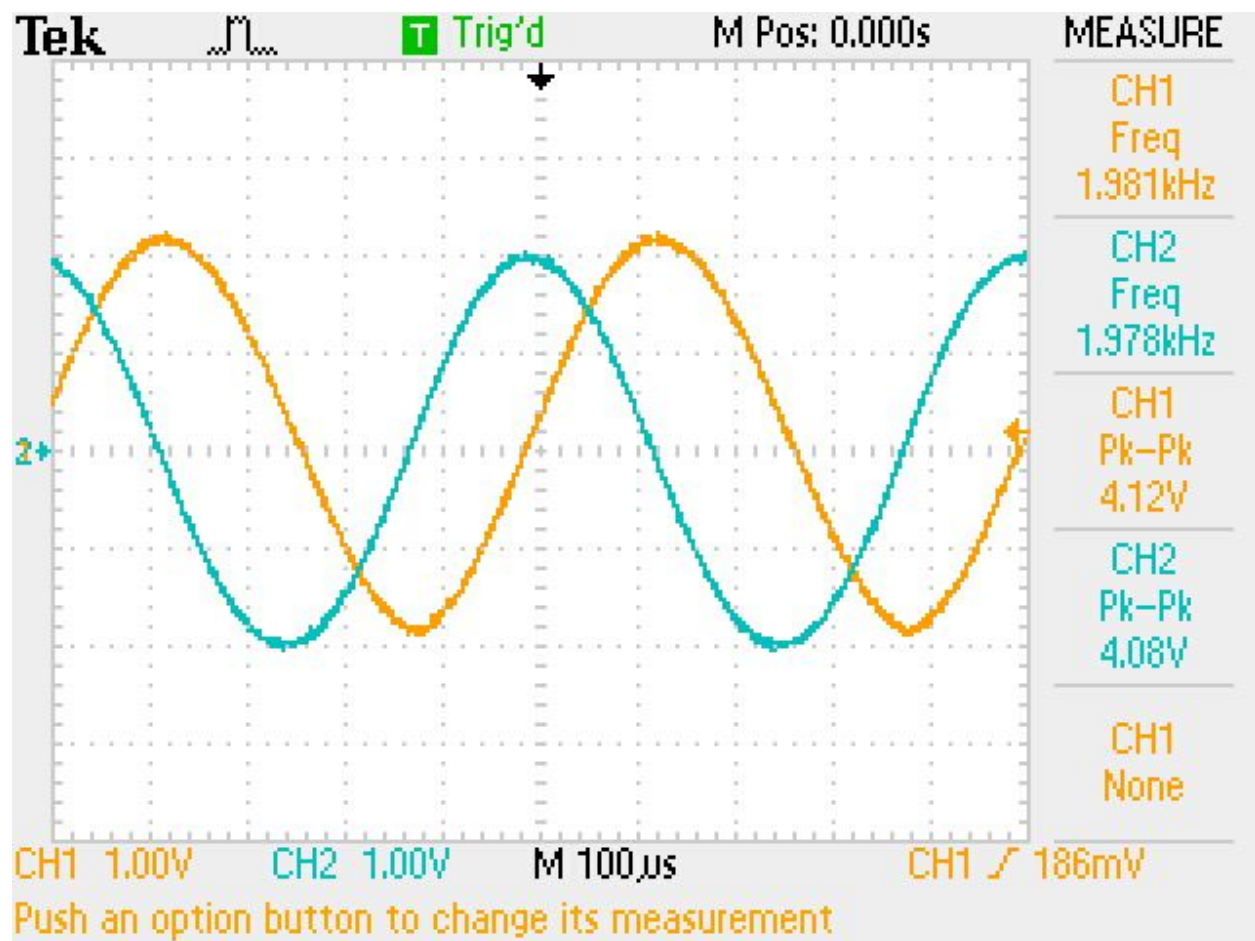


Figure 1: Result