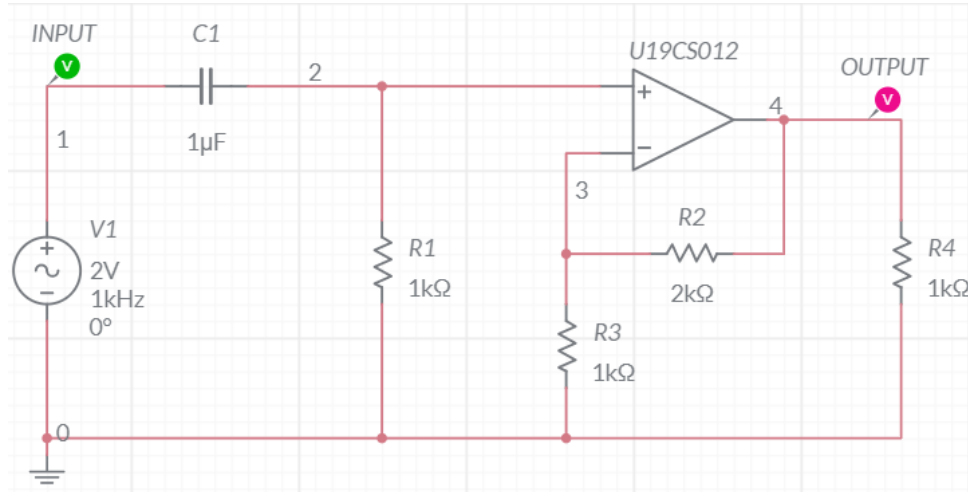


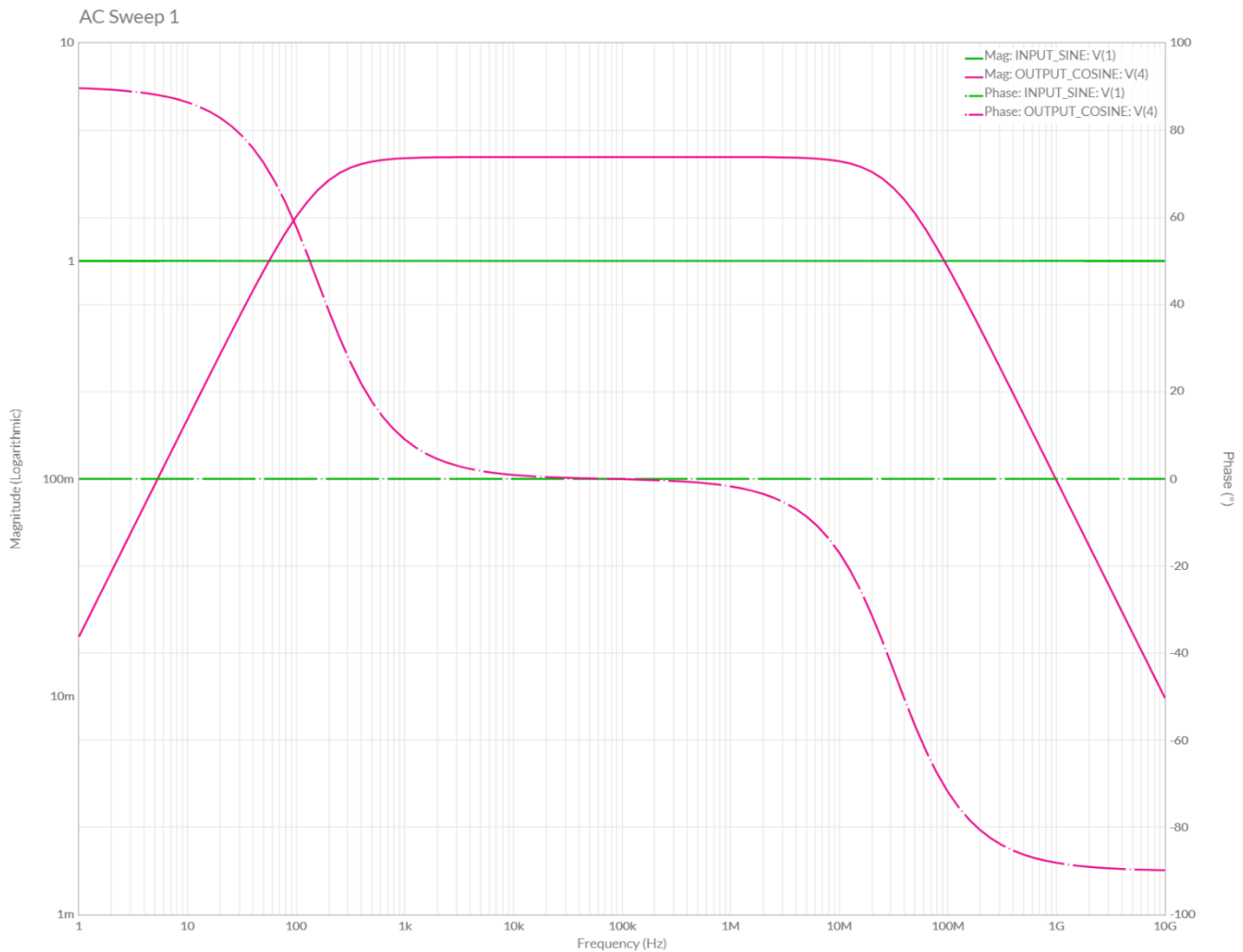
ASSIGNMENT-13

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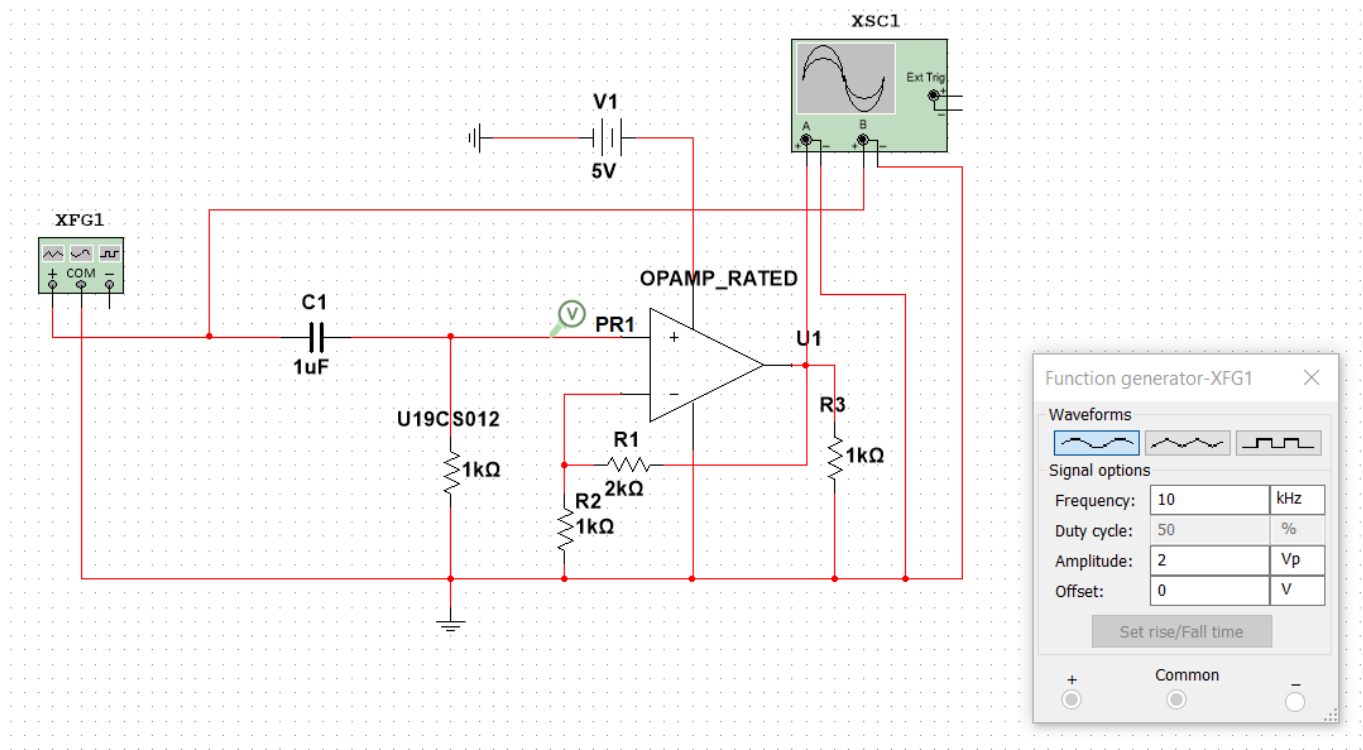
1. Simulate an Active High Pass Filter Circuit [High Pass Filter using OPAMP]
Circuit Diagram [Multisim Implementation]



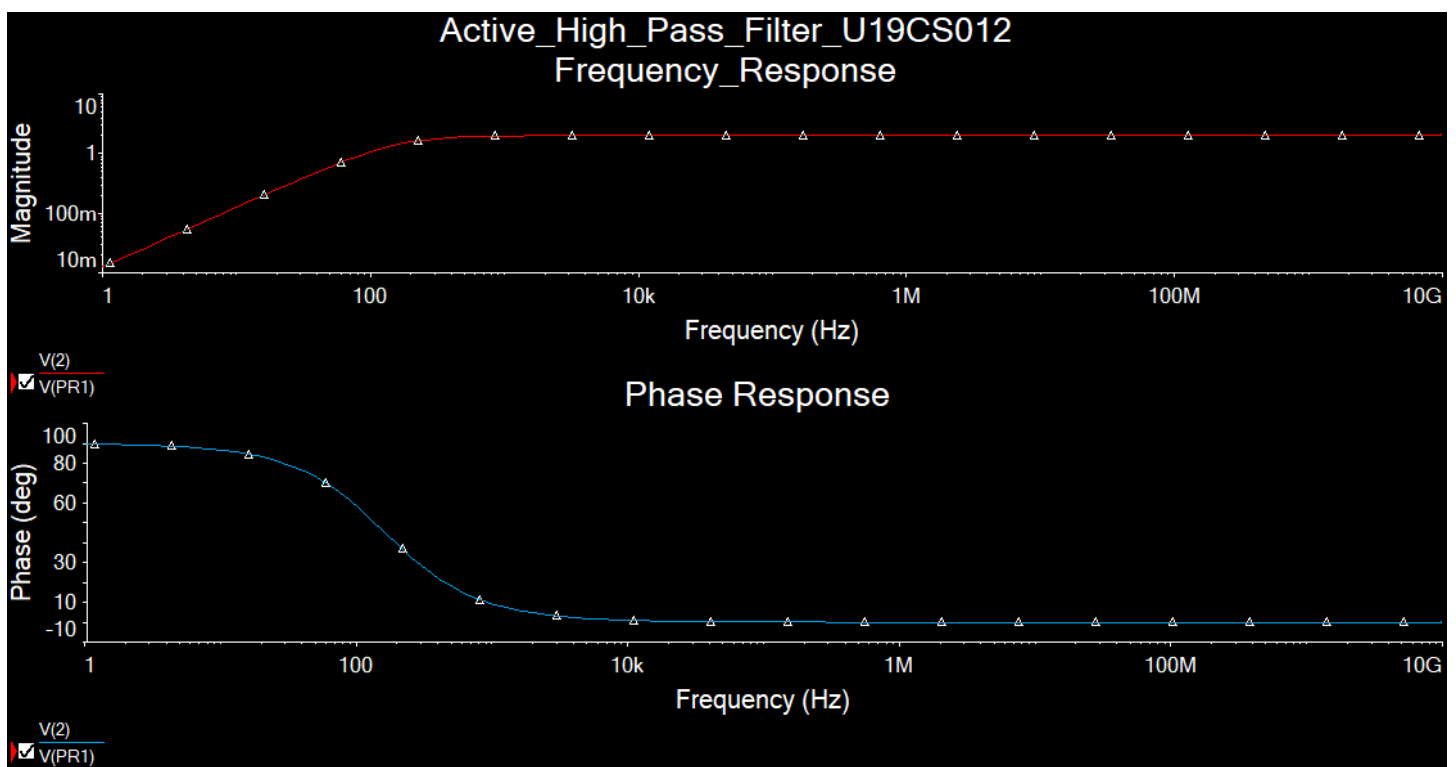
Grapher Image [AC Sweep]



Circuit Diagram [Offline Multisim Implementation]

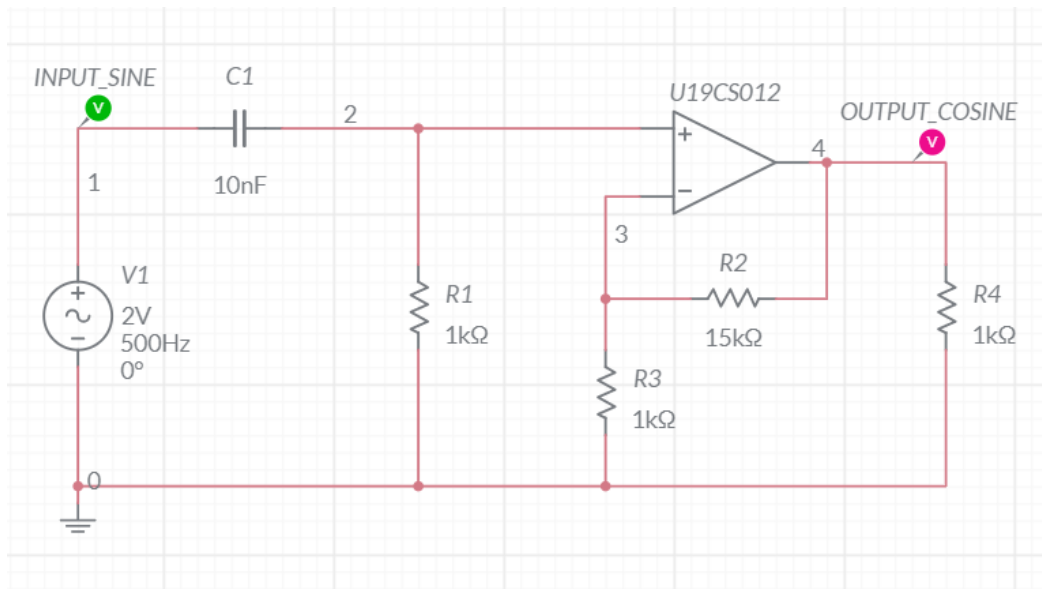


Grapher Image [Offline Multisim AC Sweep]

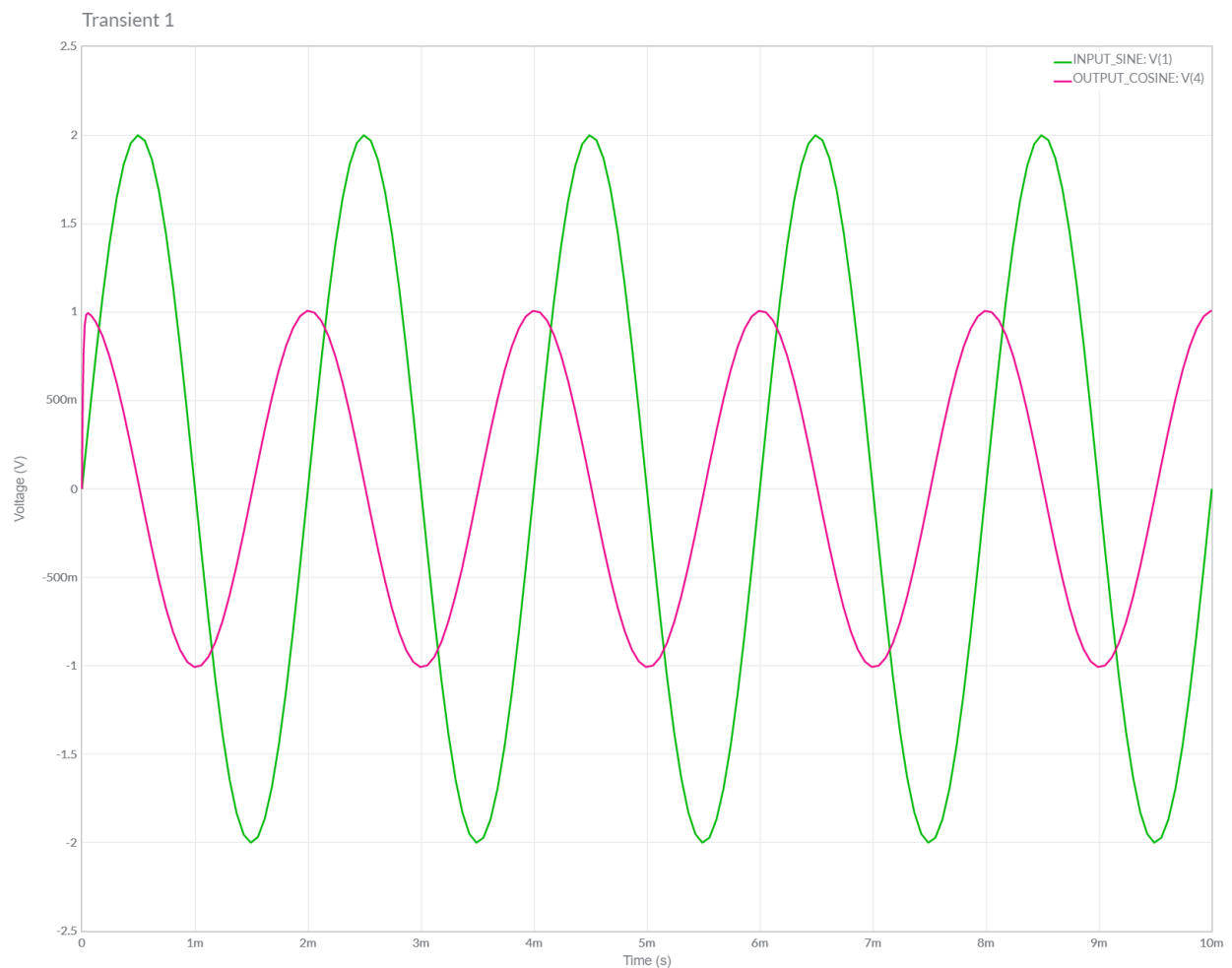


2. Simulate an Active High Pass Filter Circuit as Differentiator [Differentiation of (Sine Wave) = + Cosine Wave]

Circuit Diagram [Multisim Implementation]

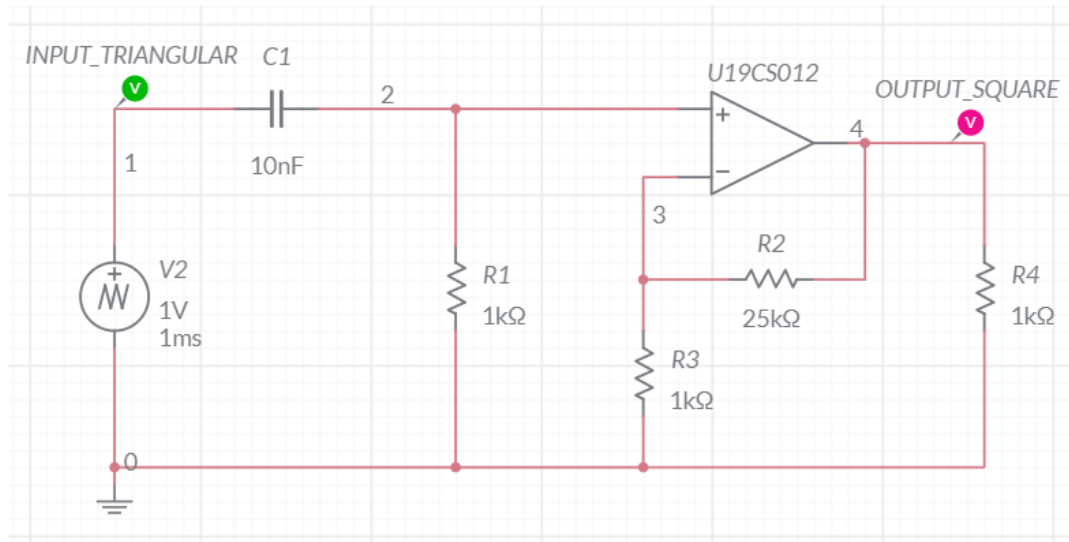


Grapher Image [Transient]

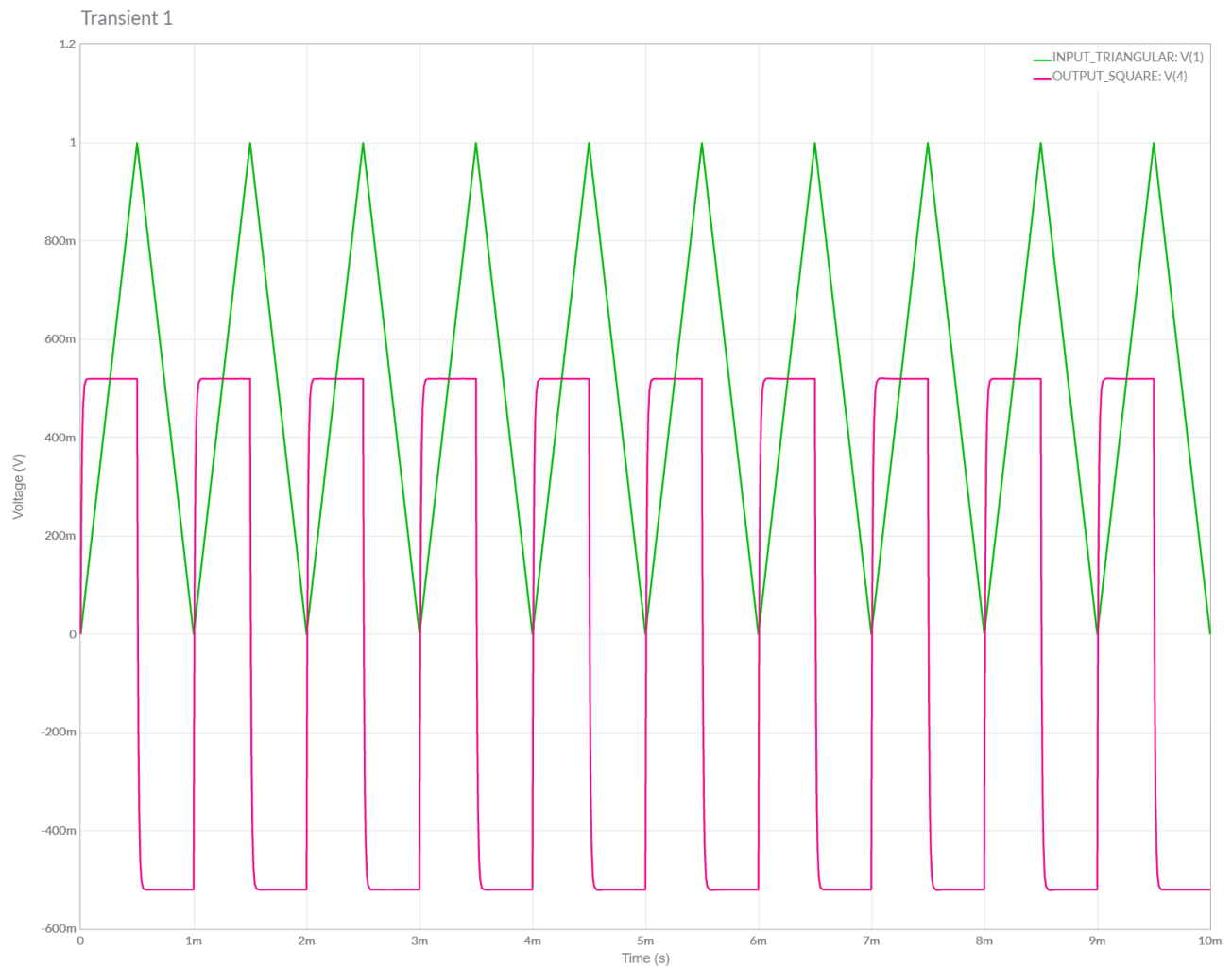


3. Simulate an Active High Pass Filter Circuit as Differentiator [Differentiation of (Triangular Wave) = Square Wave]

Circuit Diagram [Multisim Implementation]

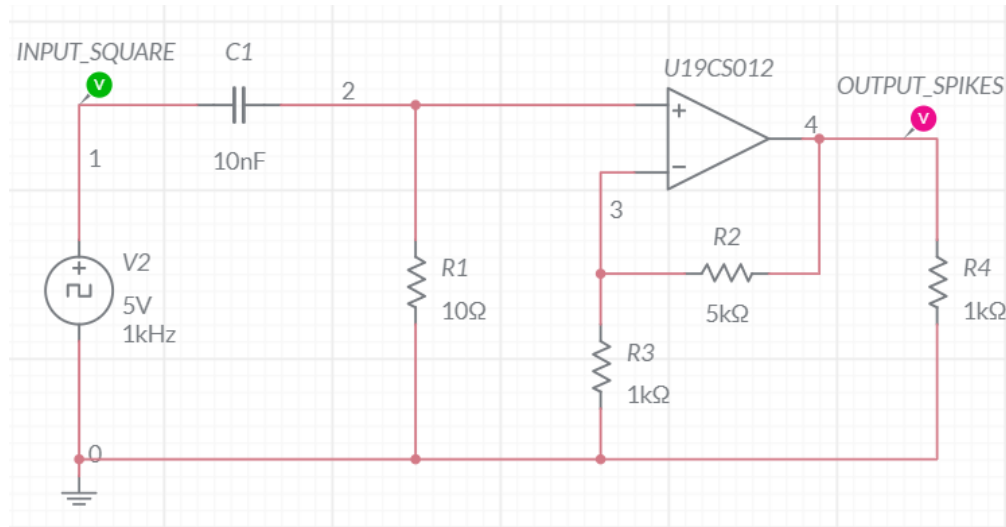


Grapher Image [Transient]

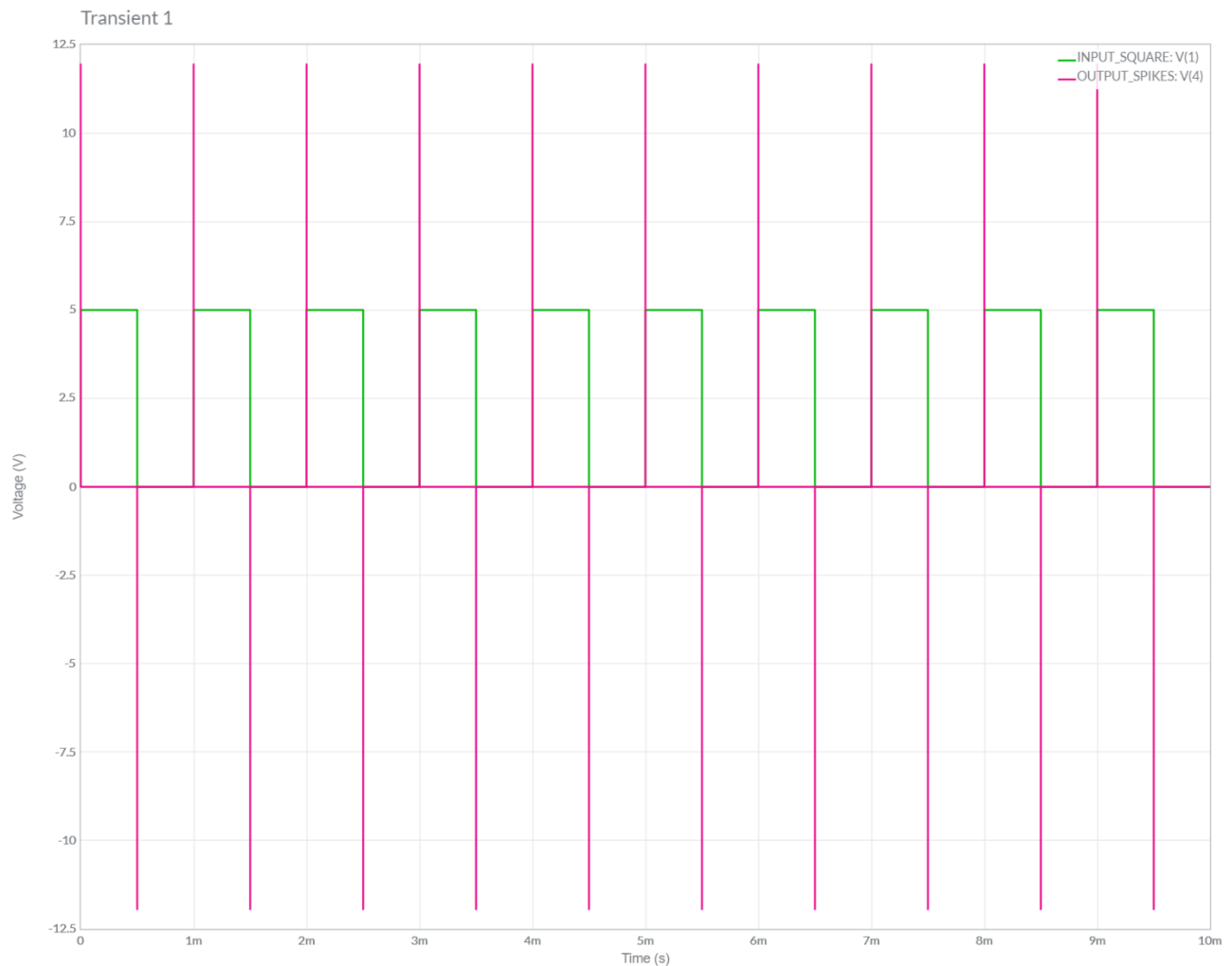


4. Simulate an Active High Pass Filter Circuit as Differentiator [Differentiation of (Square Wave) = Spikes Wave]

Circuit Diagram [Multisim Implementation]

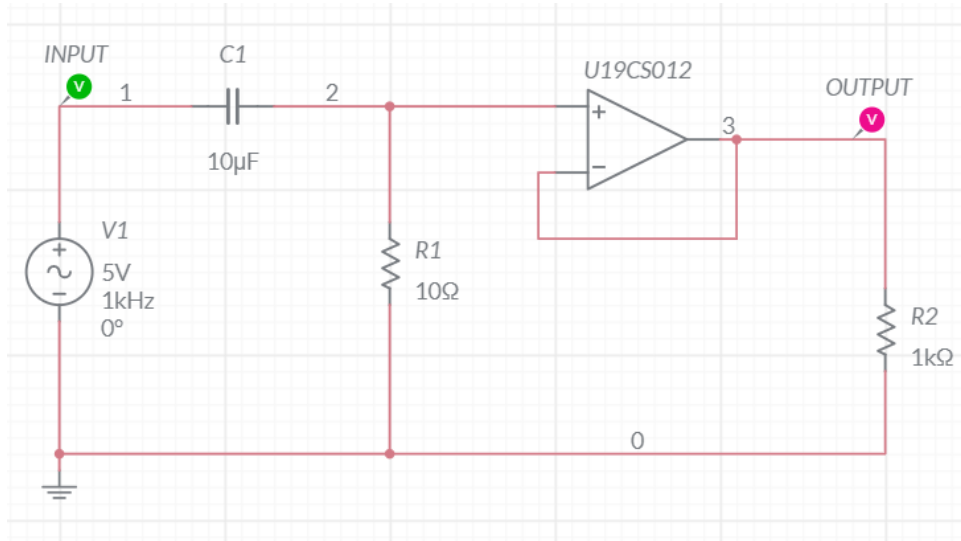


Grapher Image [Transient]



5. Simulate an Active Low Pass Filter Circuit [High Pass Filter using OPAMP]
[EXTRA] [OPAMP as Buffer]

Circuit Diagram [Multisim Implementation]



Grapher Image [AC Sweep]

