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dependent current source delivers a current which is proportional to the current source as a reference. The current source shown in Figure 12 can be programmed to any value above the 100µA reference current. It has compliance all the way to the negative power supply rail. The 100µA reference forces a voltage of $100\mu\text{A} \cdot R_1$ at the non-inverting input of the op amp. When using a Difer® implementation and Applications of Current Sources and ...Current Sources and Voltage References provides fixed, well-regulated levels of current or voltage within a circuit. These are two of the most important “building blocks “ of analog circuits, and are typically used in

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*Precision Current
Sources and Sinks
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A voltage source is the
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Voltage Analysis
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**self biasing current
reference (
threshold voltage,
diode voltage, and
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**Current Mirror
Circuit-1 | Current
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**(Analog
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SAHAV SINGH
YADAV**

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regulates the output voltage with the feedback loop from CATHODE and REF.

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