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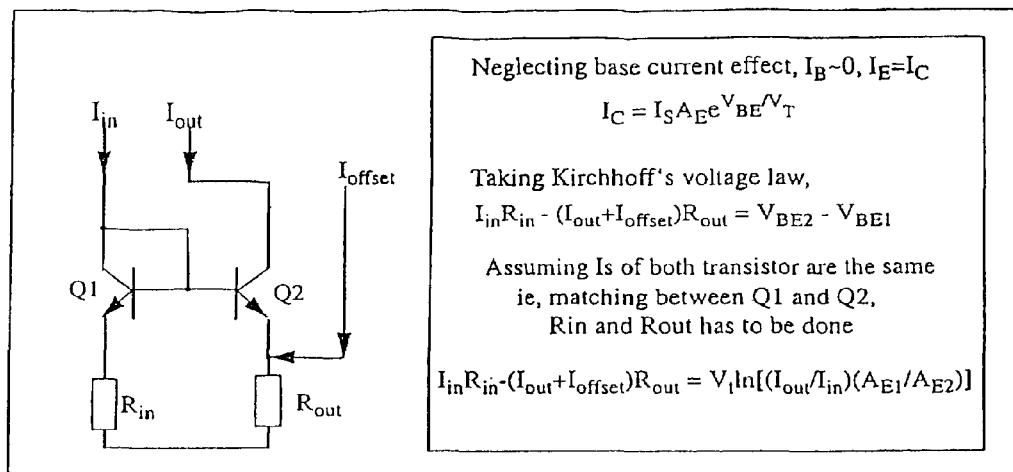
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(54) Title: CIRCUIT, METHOD AND SYSTEM FOR GENERATING A NON-LINEAR TRANSFER CHARACTERISTIC



Basic cell's circuit configuration

(57) Abstract: A circuit, method and system for generating a non-linear transfer characteristic, including, a plurality of current mirror circuits in parallel, each current mirror circuit having an offset current applied to an output terminal of an output-side transistor of the current mirror circuit for controlling an output current thereof, wherein the offset current of each current mirror circuit is set to a respective predetermined level, whereby the transfer characteristic is generated by summing the respective output currents of the current mirror circuits in a piece-wise manner.

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