

## **A Stable Differential Differentiator with High and Controllable Common Mode Rejection Ratio**

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### **Abstract**

A stable differential differentiator with high and controllable common mode rejection ratio is discussed. The main advantages of this differentiator are that it has single time constant; thus, only a single resistance needs to be tuned, controllable quality factor and high common-mode rejection ratio. Furthermore, it is suitable for differentiation of bioelectric events and does not require frequency compensation.