

# **A Robust Controller For DC-DC Switched Mode Power Converters**

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## **Summary**

A linear quadratic Gaussian with loop transfer recovery (LQG/LTR) controller is proposed for the efficient control of the output voltage of a buck-boost DC-DC power converter. The proposed control scheme guarantees excellent regulation of the output voltage. This is true even in the presence of large variations of the duty ratio and circuit parameters

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