The Design and Optimization of MOSFET Driving Circuit based on Parasitic Parameter

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Authors:
Wei Hong, Yuchen Chen, Zhengming Li

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Abstract

According to the parasitic parameter which was produced by the PCB line of MOSFET's driving circuit, this paper will analyze the circuit principle of driving circuit, and then uses the software Saber to stimulate the circuit, finally verifies the stimulate results and formula under the experimental waveforms and statics.

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Index Terms

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Keywords

Saber stimulation; Miller effect; driving circuit; parasitic parameter; MOSFET