



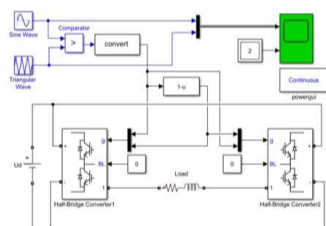
2024 International Conference on Applied
Mathematics, Modeling and Computer
Simulation

(CS782) *Simulation Analysis of Power
Electronic Converter Based on
PWM*

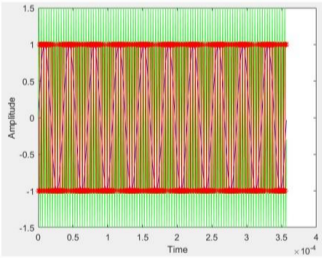
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Introduction:

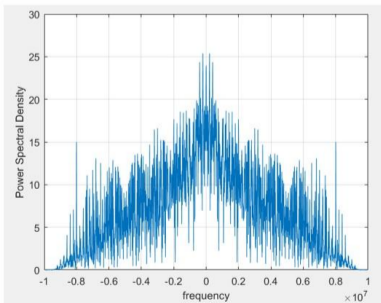
This paper explores the application of PWM in converters through simulation research, analyzes the impact of PWM control strategies on the performance of converters, and provides beneficial references and insights for further research and experiments.



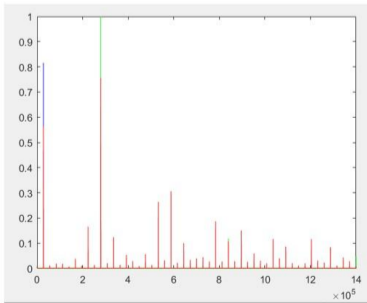
(Model)



This simulation used MATLAB to simulate the generation, interpolation, filtering, and spectral analysis of PWM signals.



(Power Spectrum Graph)



(Normalized Frequency Domain)