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Abstract

Ant Colony Optimization (ACO) used to tune the Proportional and Integral (PI) controller for Single Ended Primary Inductance Converter (SEPIC) is discussed in this paper. The SEPIC is based on DC to DC converter to maintain the constant output voltage but varying input voltage. PI controller maintains a constant output of the converter, without changing sign. MATLAB simulation designing is developed for ACO tuned DC-DC converter.

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Index Terms

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Keywords

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