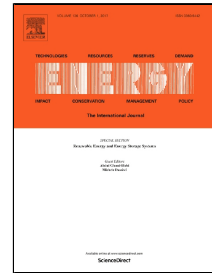


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Optimization algorithm for power-source arrangement that levels the fluctuations in wide-area networks of renewable energy

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Highlights

- Wide-area interconnection reduces fluctuations in renewable energy.
- Layout planning can maximize the introduction of renewable energy.
- Power interchange through the transmission network can supply heat pumps.
- Analysis algorithm optimizes the type, arrangement, and capacity of power sources.

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