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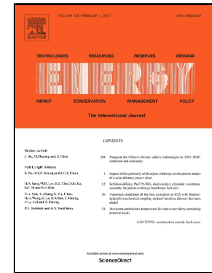
Combustion characteristics and operation range of a RCCI combustion engine fueled with direct injection n-heptane and pipe injection n-butanol

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Highlights

The dual system can easily change injection fuel mass of DI and PI.

A smaller cyclic variation is achieved through DI n-heptane addition.

The operation range of HCCI engine with DI n-heptane can be extended.

The optimum DI pressure, λ_t and intake temperature have been obtained.

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