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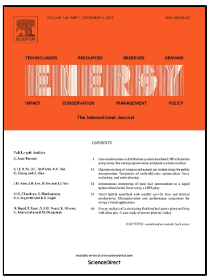

Development of an extended mean value engine model for predicting the marine two-stroke engine operation at varying settings

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Highlights

- Mapping the engine performance parameters based on the zero-dimensional model.
- Corrective formulae derivation for capturing the model/engine variables trends.
- Extension of a MVEM based on analytical corrective equations.
- Benchmarking of extended MVEM against the other modelling approaches.
- Capability of predicting the engine performance with varying settings.

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