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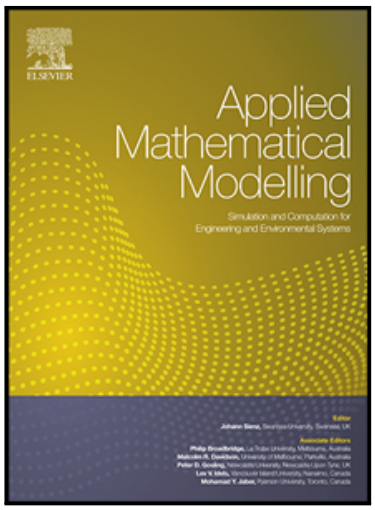

Implementation of EOQ and Lambert W function in 1-D Engine simulation model for optimizing fuel injection in GDI engine

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Highlights

- A novel and unique approach based on EOQ for optimizing fuel injection is implemented
- A scheme for coupling crank angle resolved model with EOQ in MATLAB SIMULINK
- Predictive combustion model with EOQ is sufficient for optimizing fuel quantity
- Proposes EOQ with Lambert W function for model based engine calibration approach

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