


















Matlab Reservoir simulation toolbox MRST

G. B. Diaz Cortes

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The Matlab Reservoir Simulation Toolbox

Basic functionality	Discretizations and solvers	Workflow tools
Core data structures 	TPFA 	Grid coarsening 
Visualization 	Minotaur/MPPFA 	Flow diagnostics 
Public data sets 	MoFV 	Upscaling 
	DFM 	Black-oil simulators 
	MoRBH 	Eclipse input 
	Adjoint methods 	MRST-ecl2h 
	MoTPFA 	EnKF methods 

The **MATLAB Reservoir Simulation Toolbox (MRST)** is developed by the *Computational Geosciences* group in the *Department of Applied Mathematics* at *SINTEF ICT*.

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The Matlab Reservoir Simulation Toolbox

Basic functionality

- Core data structures
- Visualization
- Porosity data sets

Discretizations and solvers

- TPFA
- Minicell/MPFA
- DFM
- Adaptive methods
- SubTPFA

Workflow tools

- Grid construction
- Flow diagnosis
- Upscaling
- Block-level simulations
- MRST output
- EOFT methods

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