COUPLING FLOW, TRANSPORT AND REACTIONS USING DuMu$^x$ AND Reaktoro

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DuMu$^x$ [1], a simulator for flow and transport processes in porous media, is coupled to Reaktoro [2], a computational framework for modeling chemically reactive processes. We describe the coupling on a conceptual as well as on a technical level. Several decoupling approaches to solve the resulting coupled problem are investigated by means of representative examples.

References


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