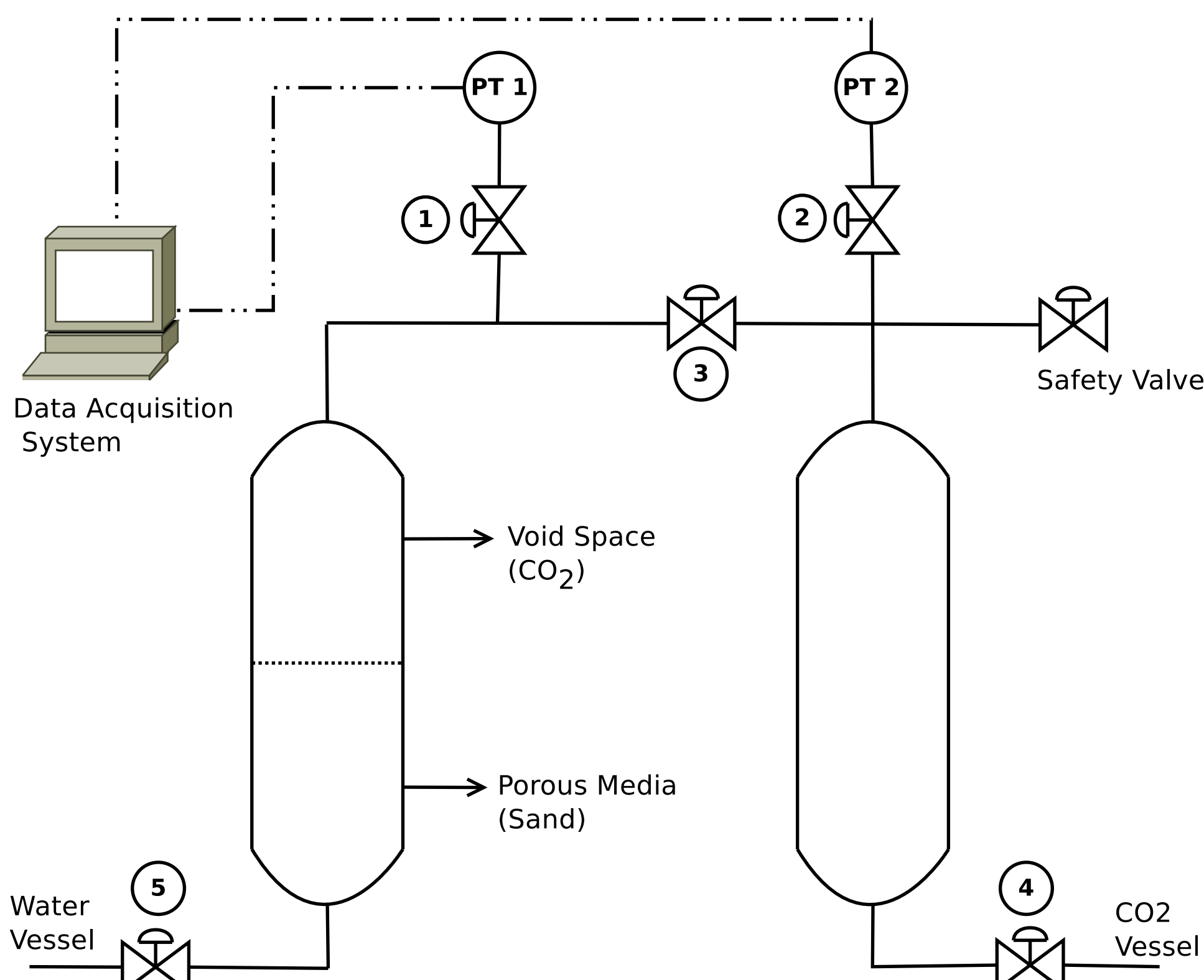


# Experimental Investigation of Enhanced CO<sub>2</sub> Mass Transfer in Water-saturated Porous Media

## Experimental Set-up

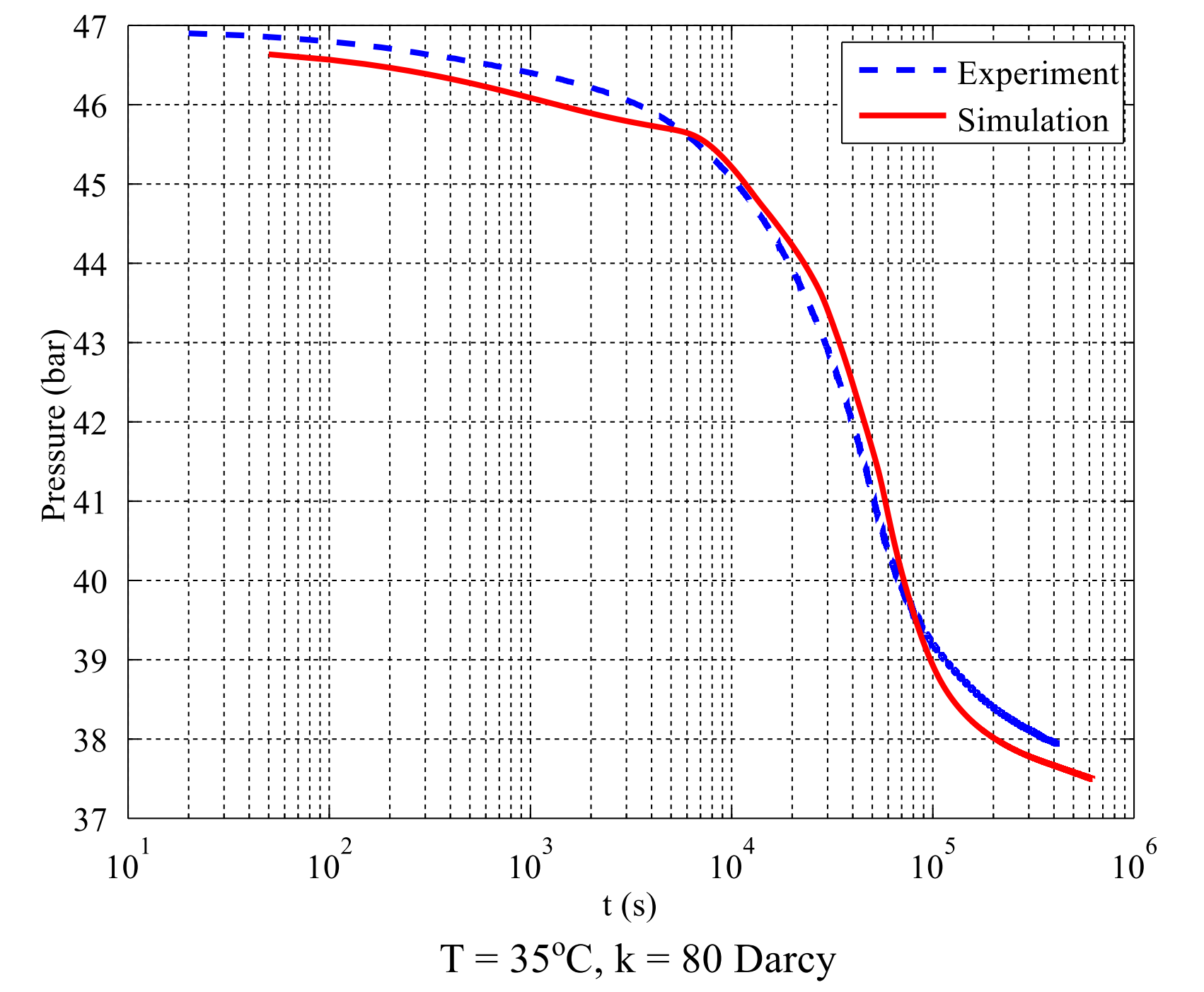


A. A. Eftekhari  
R. Farajzadeh\*  
J. Bruining

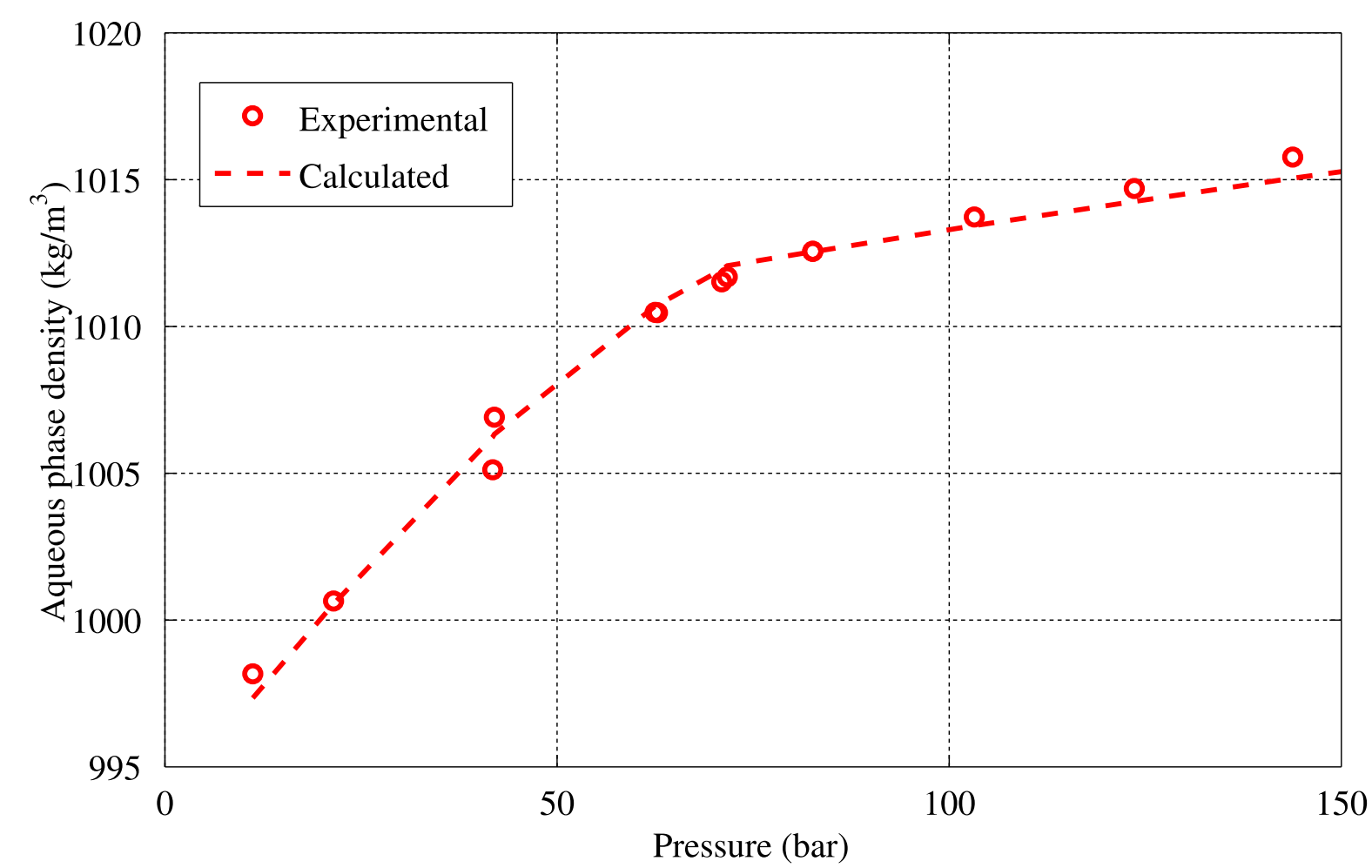
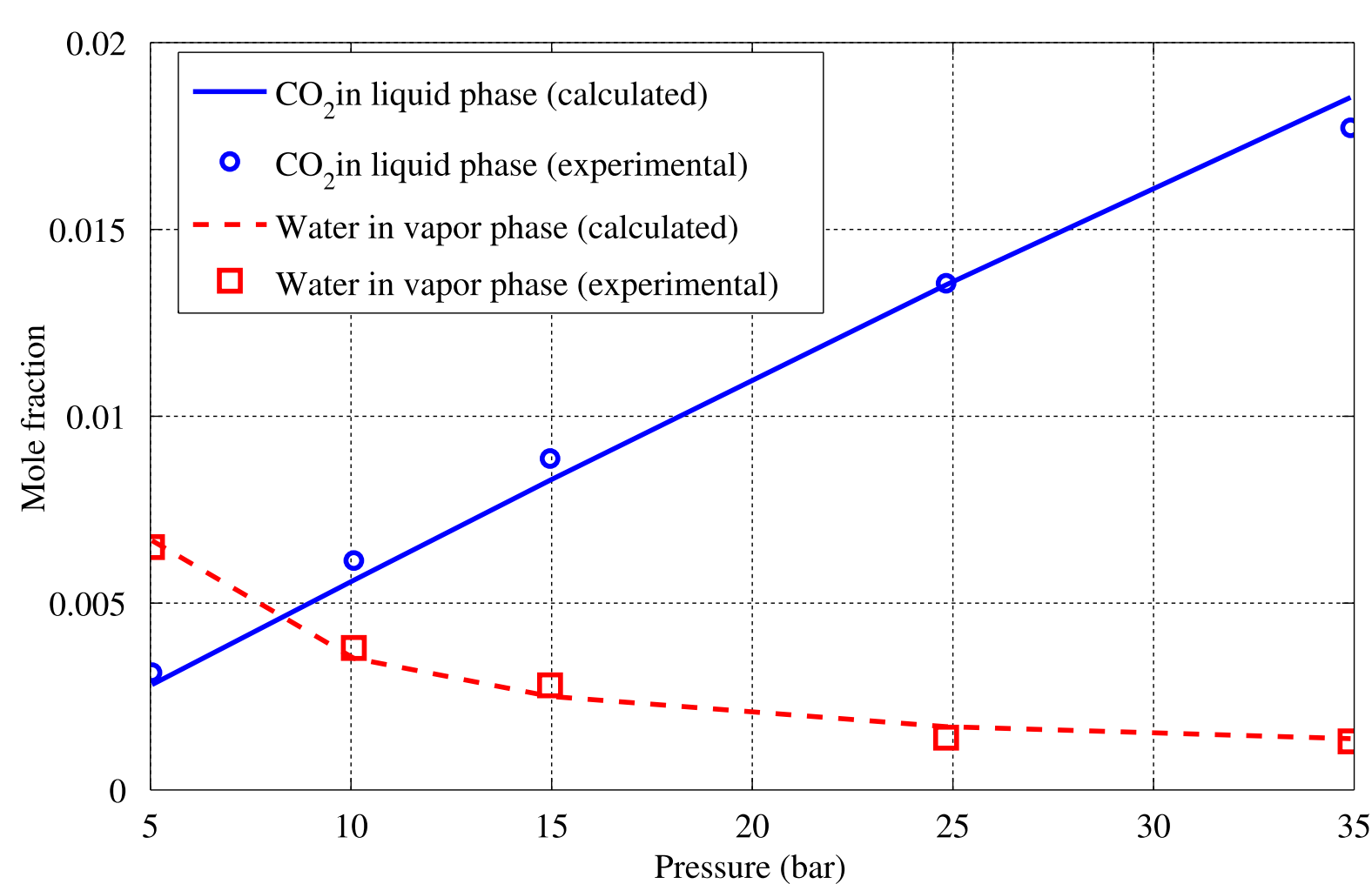
Section of Petroleum Engineering,  
Department of Geo-technology,  
Delft University of Technology,  
Delft, the Netherlands  
Shell International Exploration and Production,  
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## Transport Phenomena

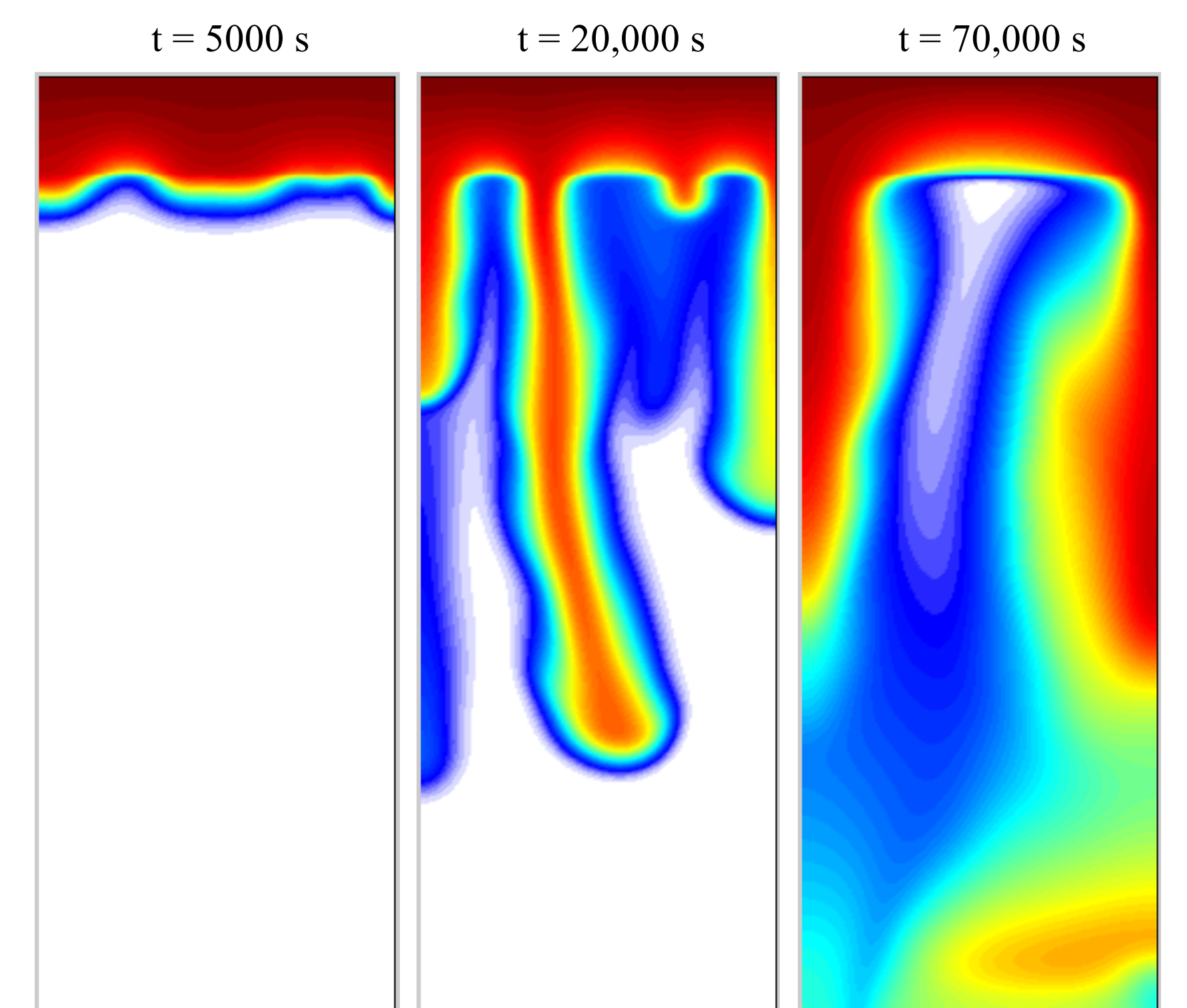
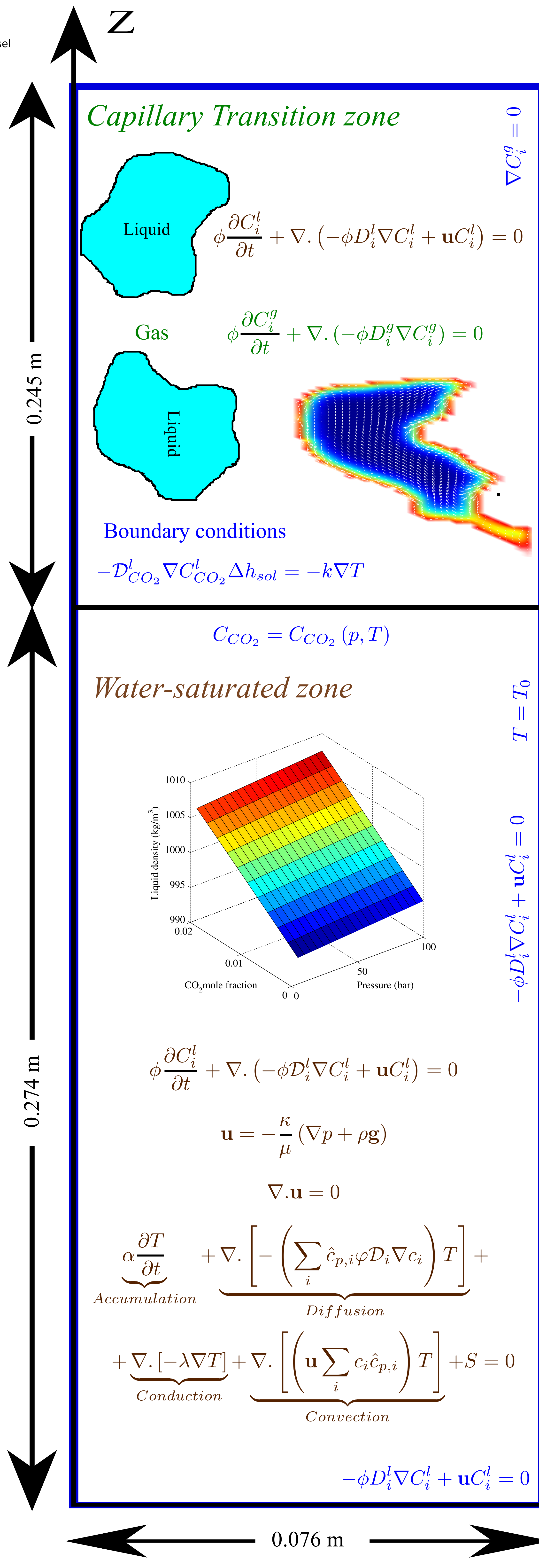
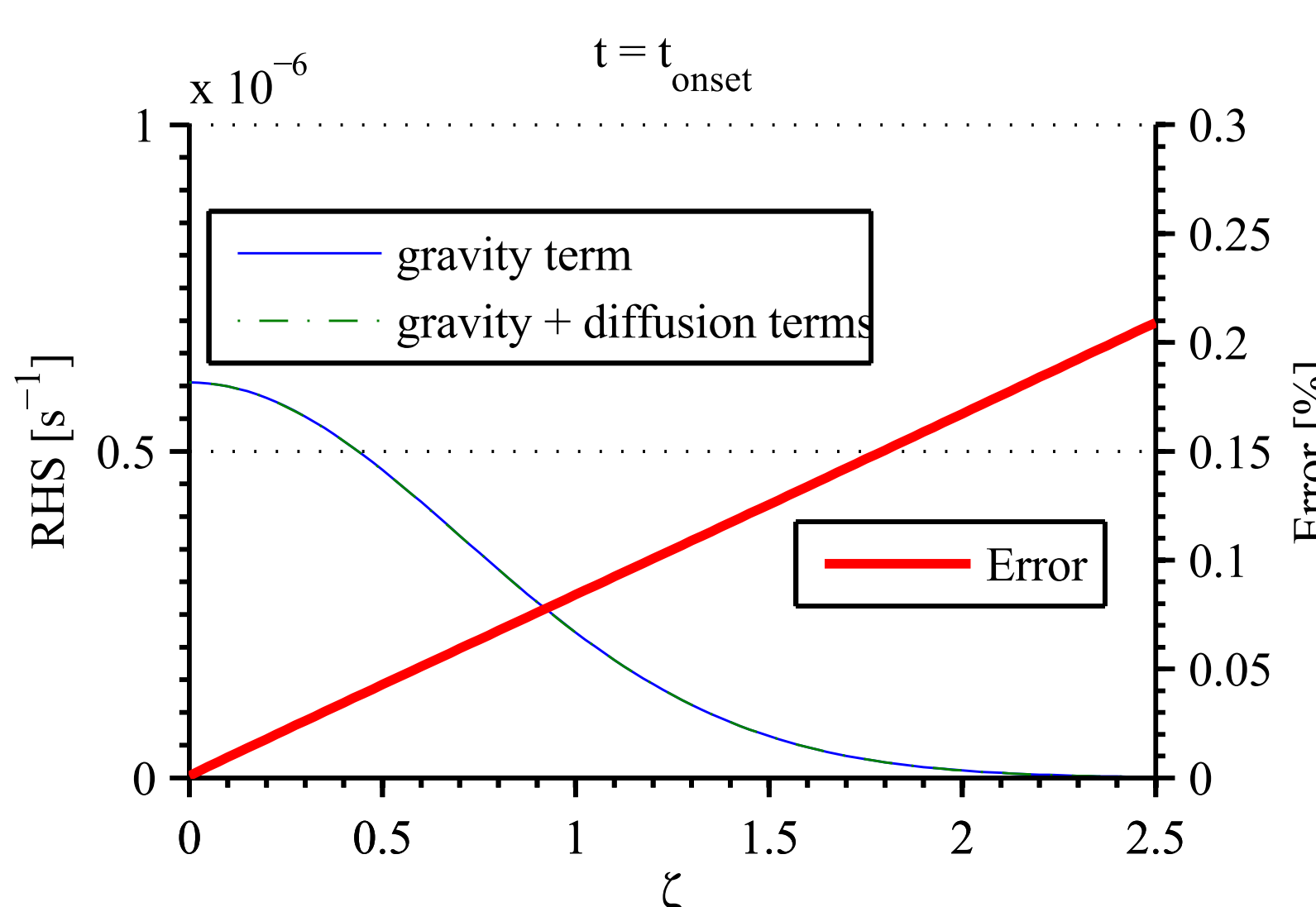
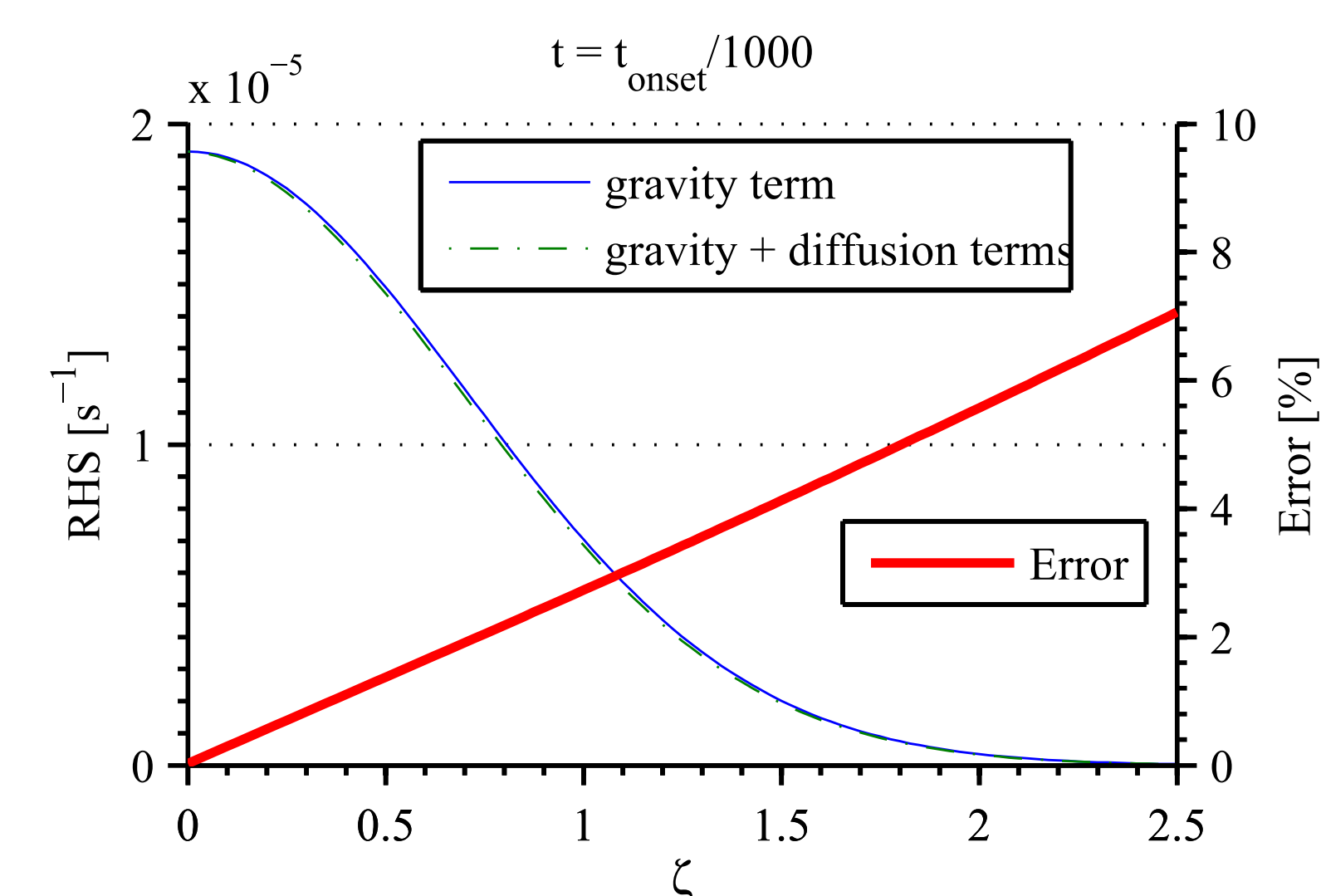
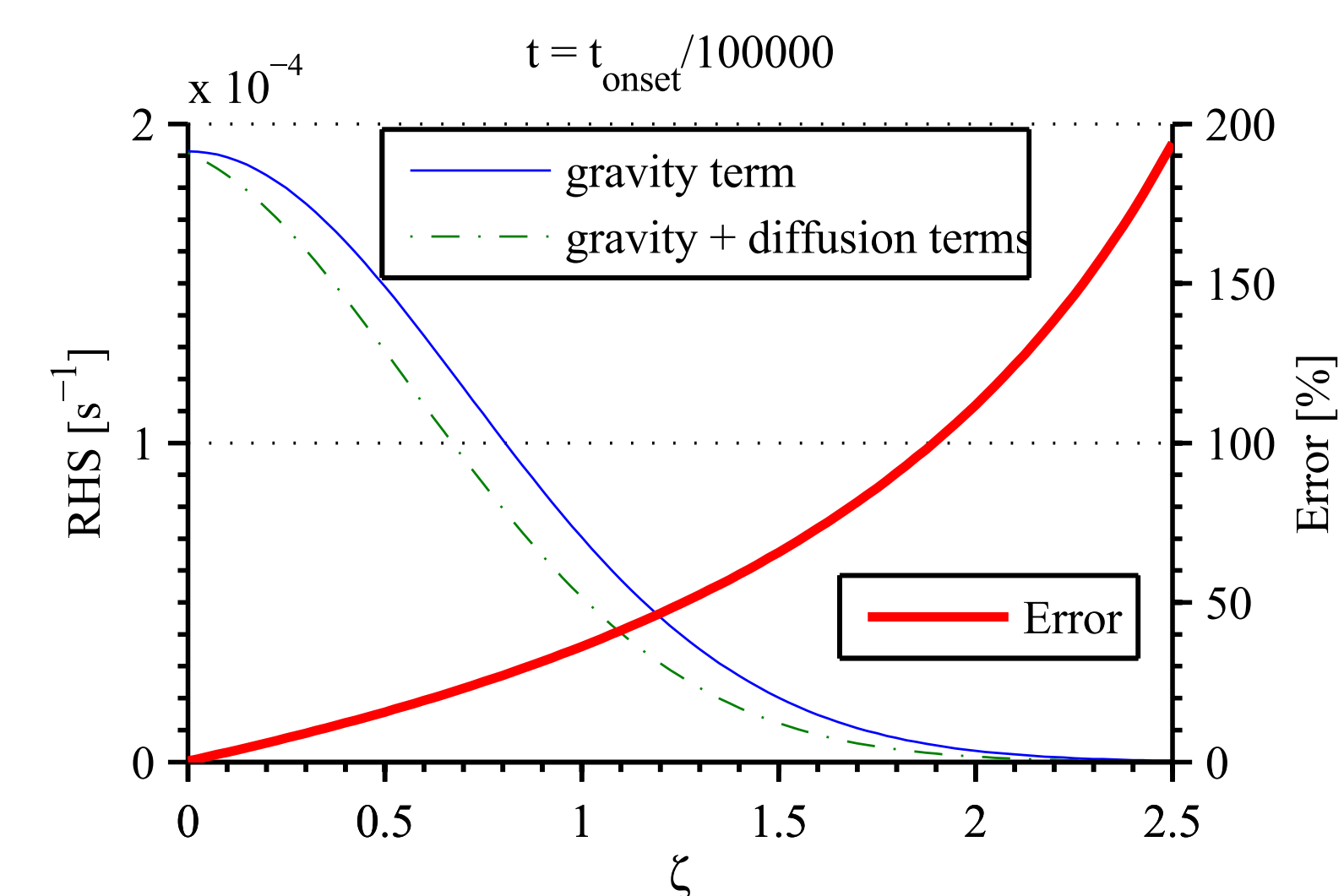
## Results



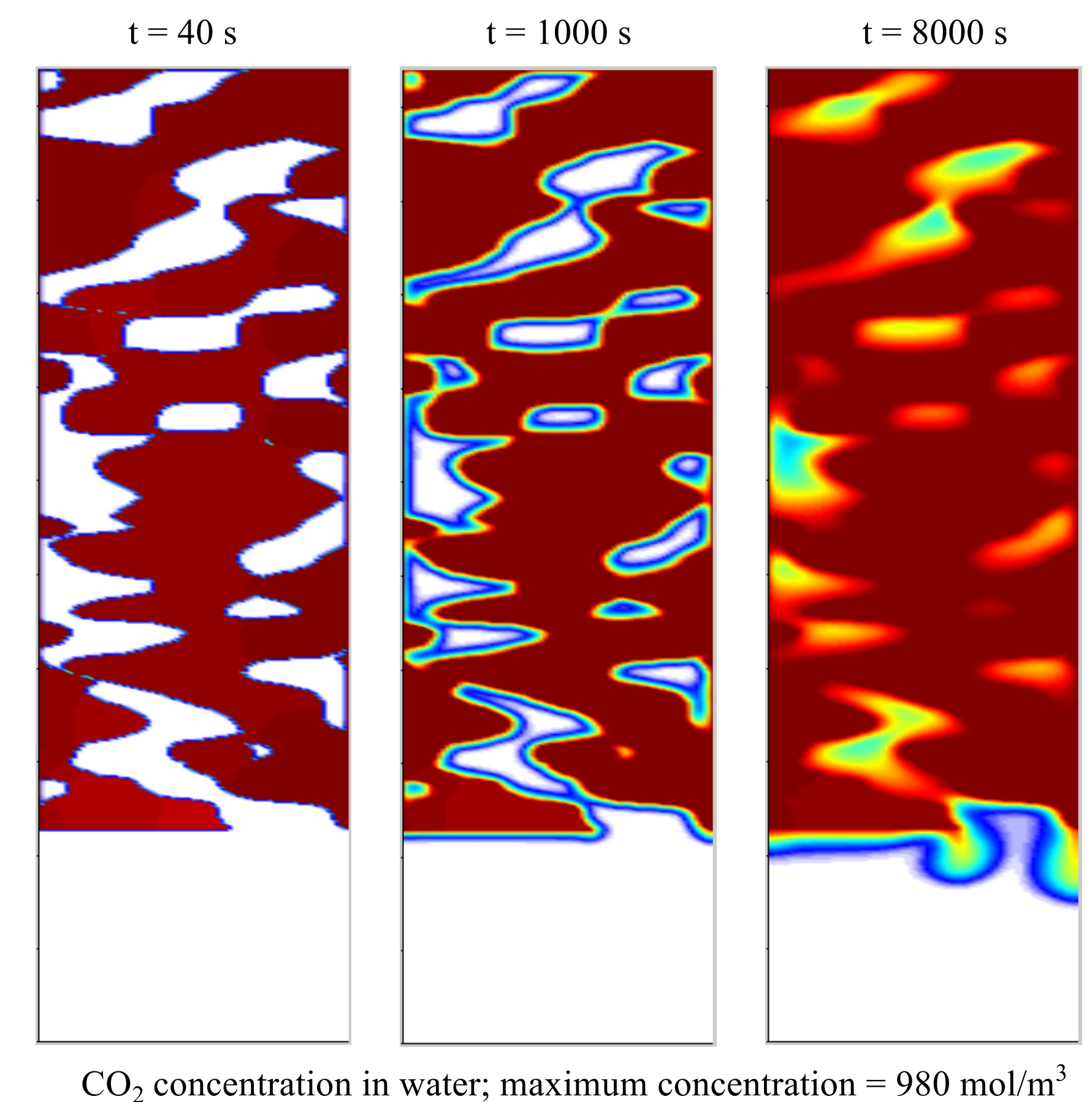
## Phase Equilibria



## Boussinesq Approximation



## Natural Convection in Capillary Transition Zone



## Natural Convection: Heat of Solution

