

Supplementary Information

On Process Intensification Through Membrane Storage Reactors

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Number of pages: 5

Number of figures: 6

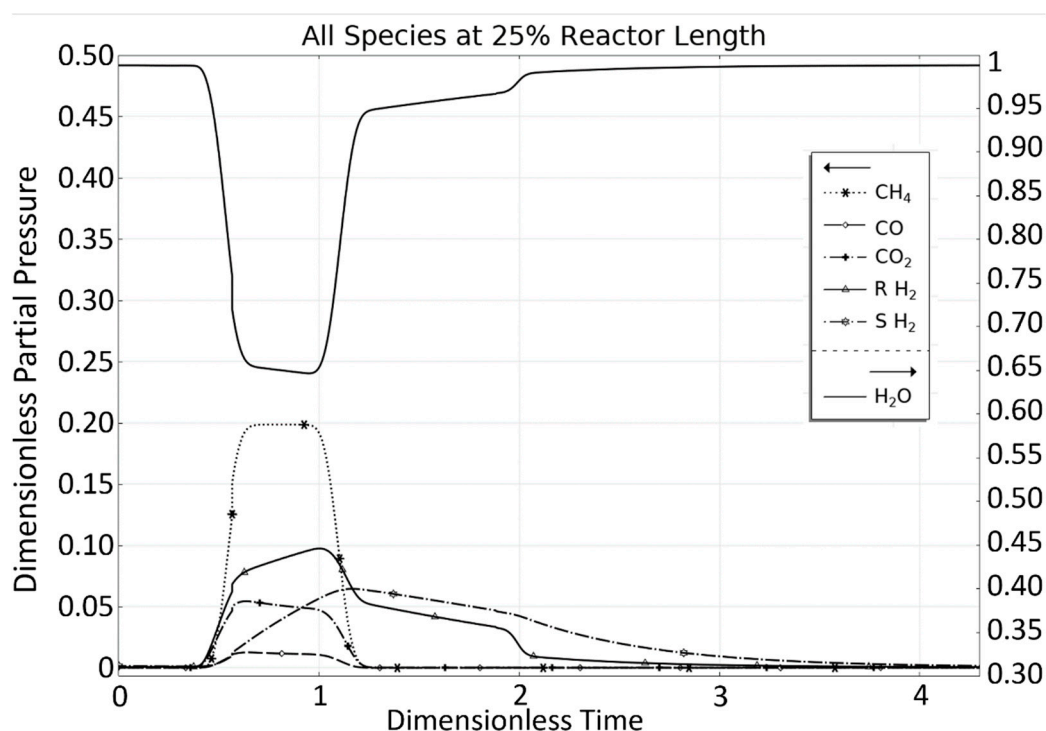


Figure S1. Dimensionless time evolution of species' partial pressure at 25% of reactor length for cycle 3 of $Da=2$ $\Theta=10$.

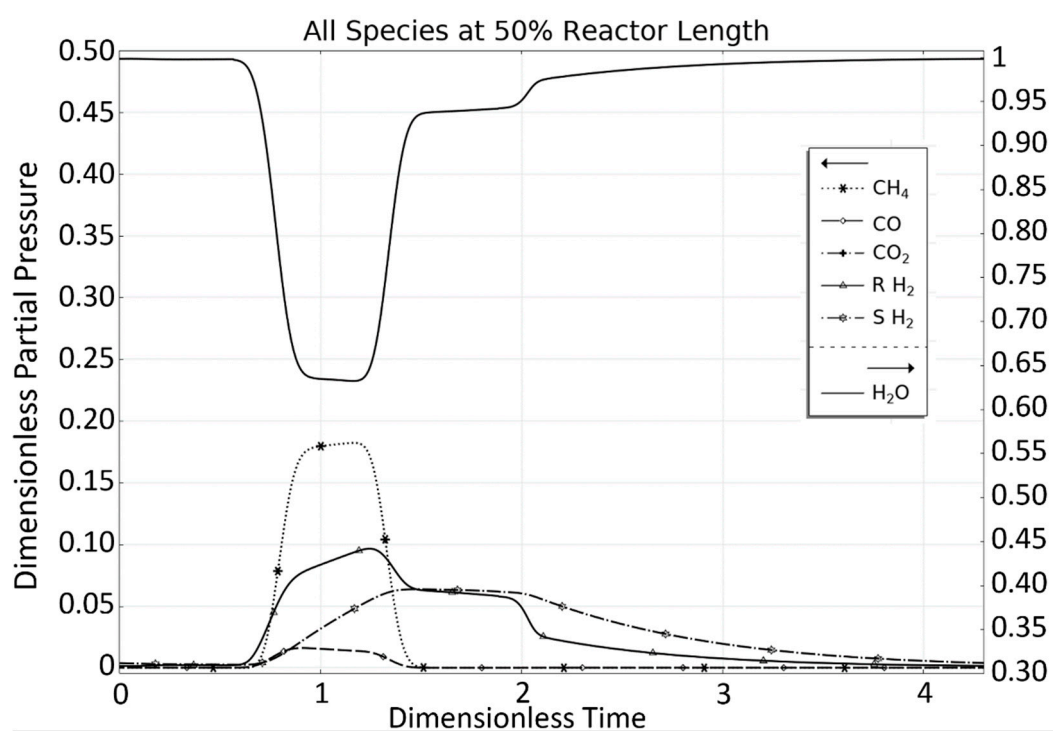


Figure S2. Dimensionless time evolution of species' partial pressure at 50% of reactor length for cycle 3 of $Da=2$ $\Theta=10$.

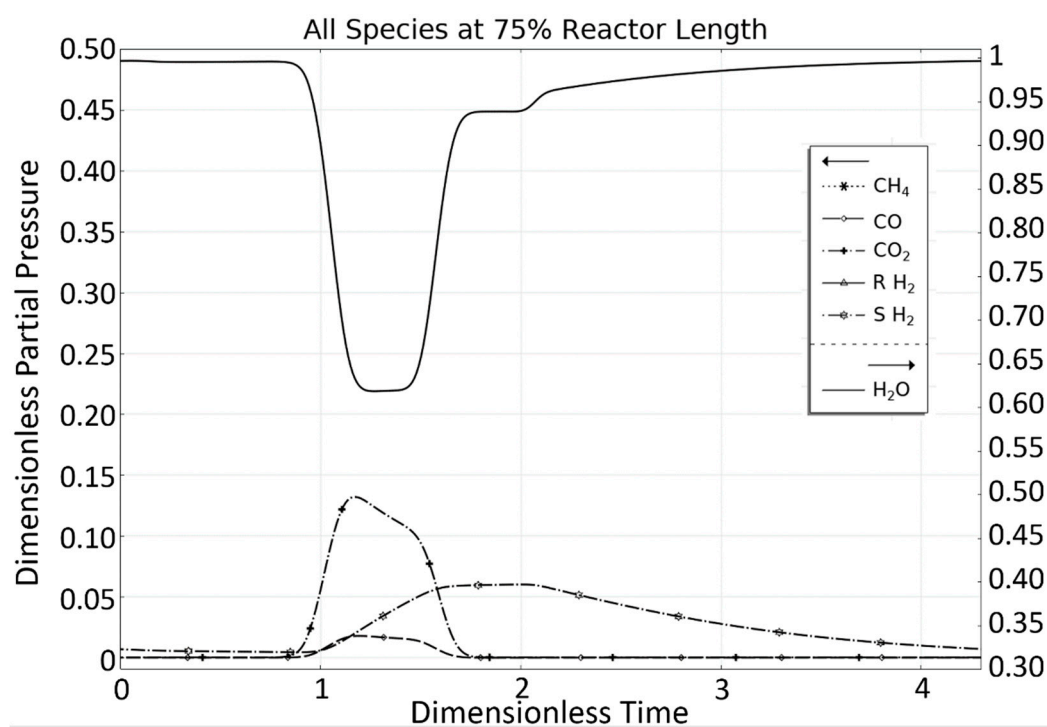


Figure S3. Dimensionless time evolution of species' partial pressure at 75% of reactor length for cycle 3 $Da=2$ $\Theta=10$.

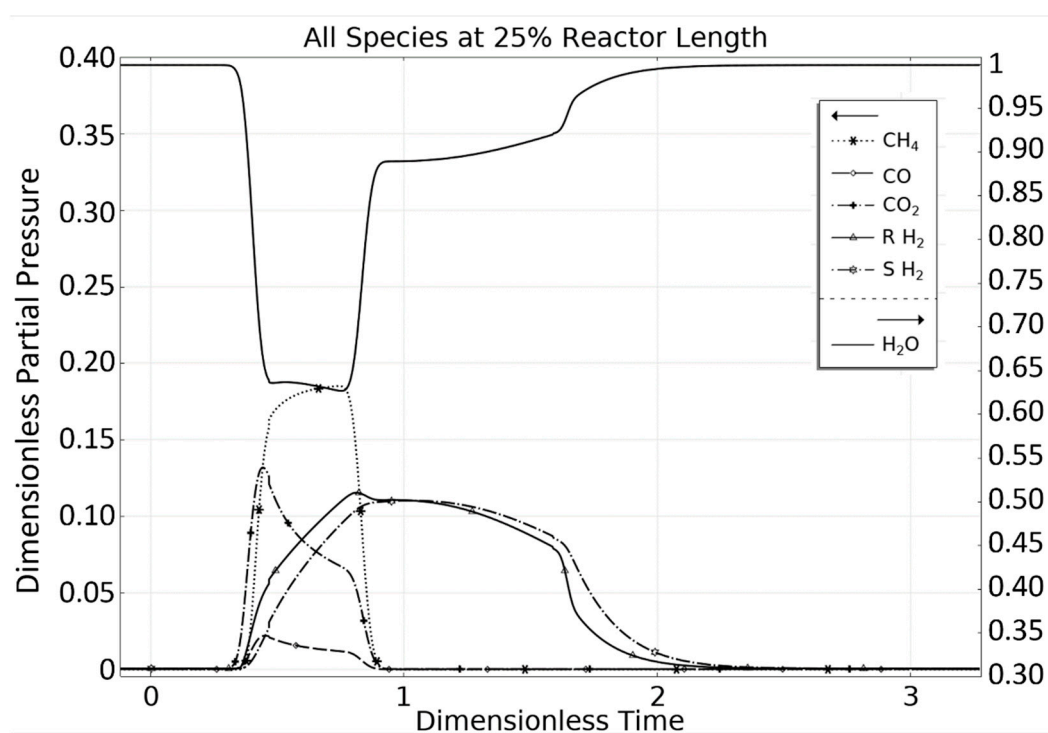


Figure S4. Dimensionless time evolution of species' partial pressure at 25% of reactor length for cycle 3 for $Da=4$ $\Theta=50$.

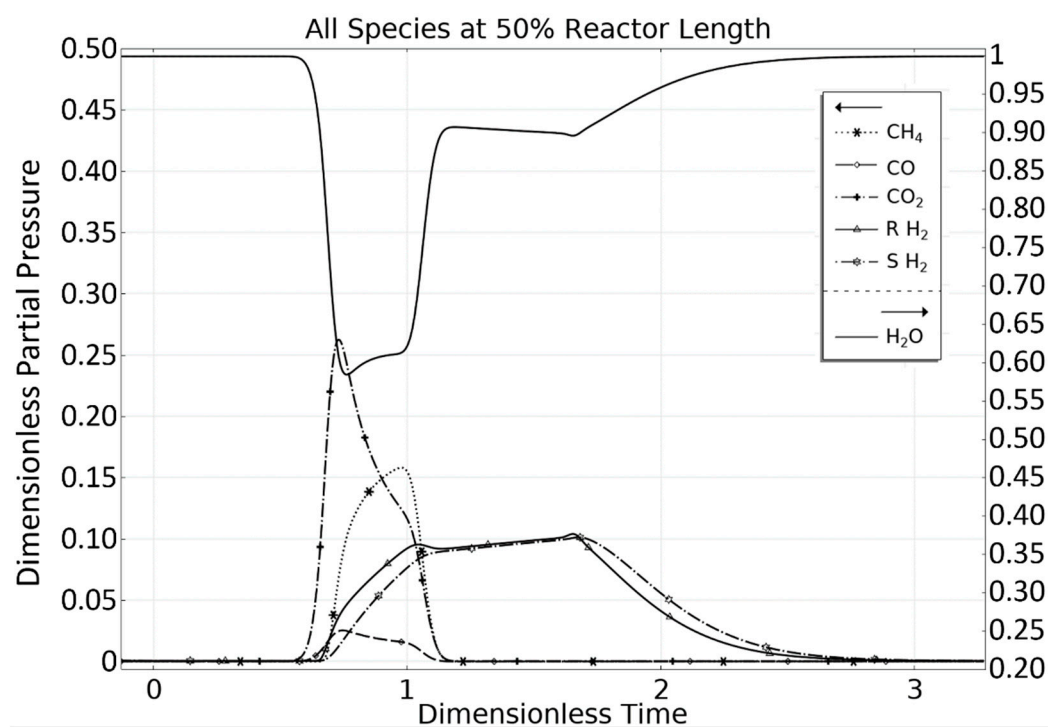


Figure S5. Dimensionless time evolution of species' partial pressure at 50% of reactor length for cycle 3 for $Da=4$ $\Theta=50$.

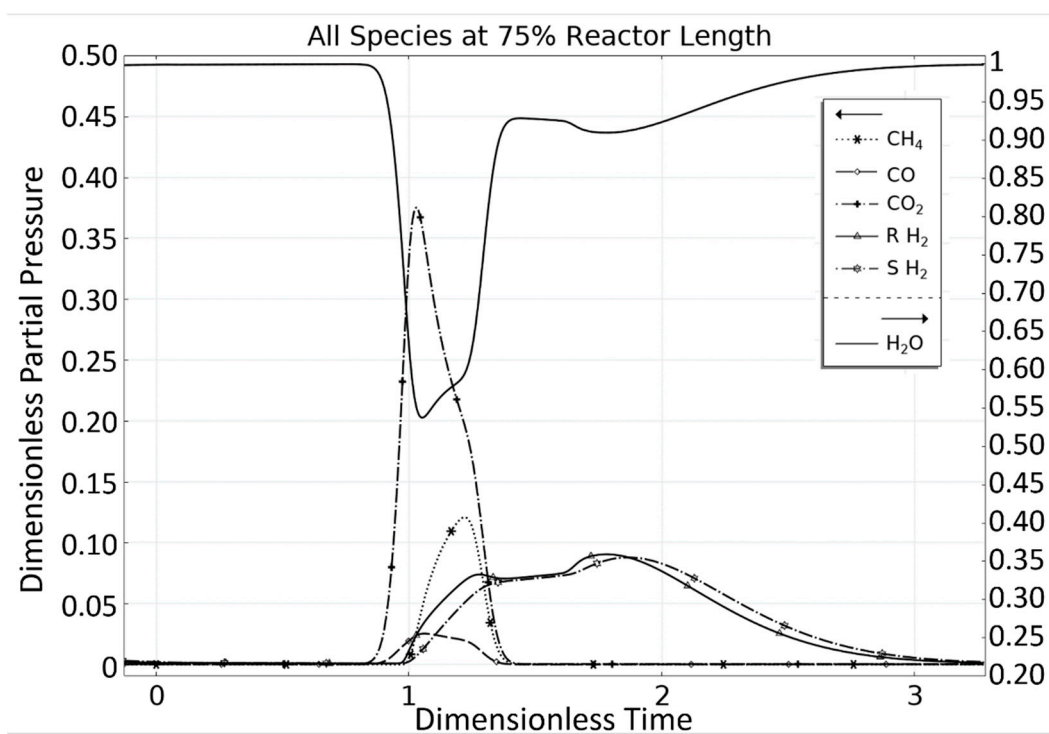


Figure S6. Dimensionless time evolution of species' partial pressure at 75% of reactor length for cycle 3 for $Da=4$ $\Theta=50$.