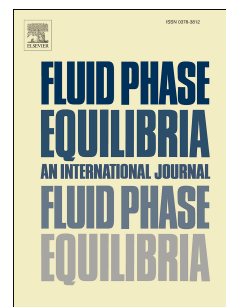


# Accepted Manuscript

Phase behavior experiments and PVT modeling of DME-brine-crude oil mixtures based on Huron-Vidal mixing rules for EOR applications

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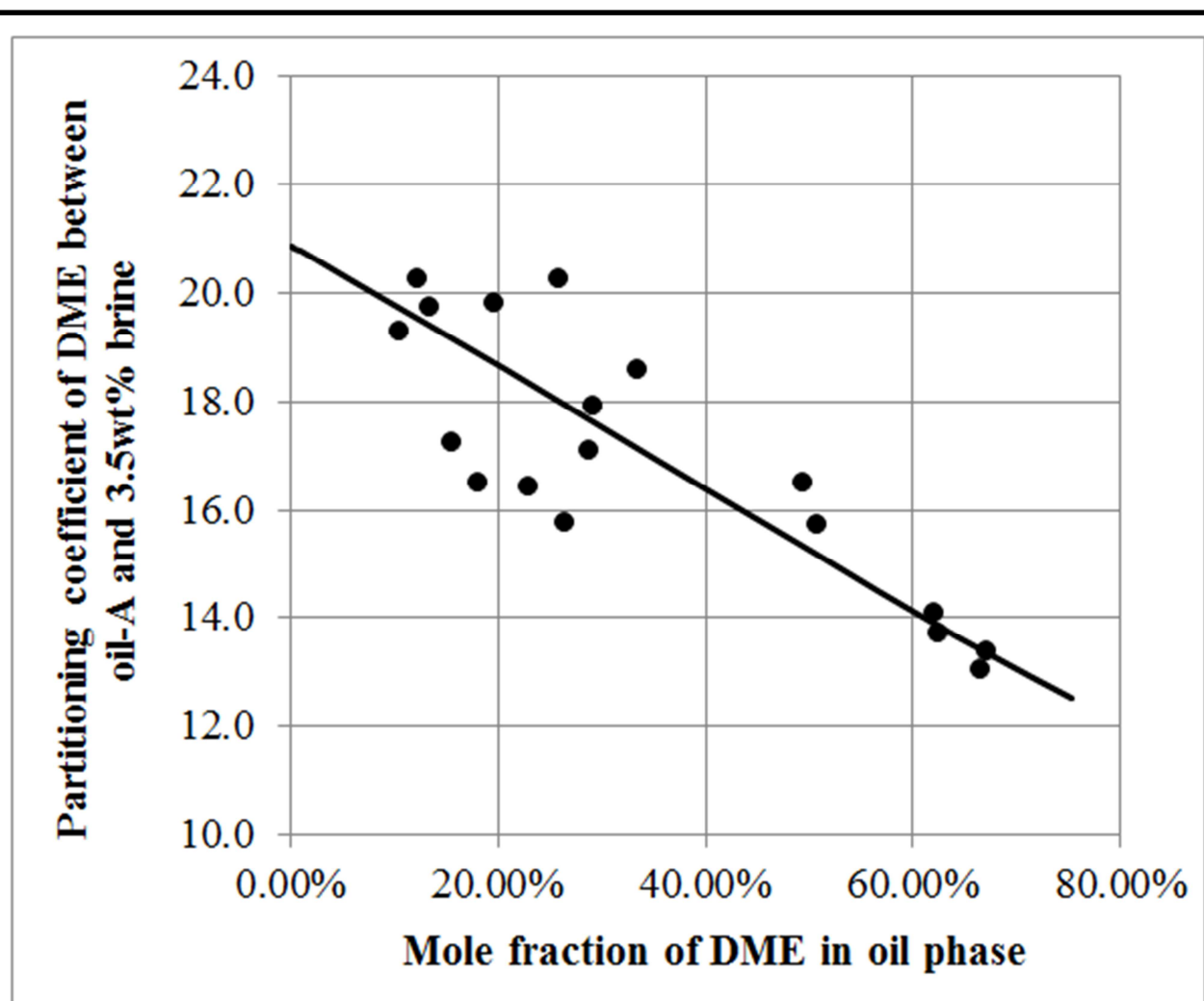
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DME-partitioning between a live oil and 3.5wt% brine at 343 K: marker points correspond to in-house experimental data measured at 10,000-14,000 kPa; solid lines correspond to the computed results using PR78 EOS with Huron-Vidal mixing rule at 12,000kPa.

DME-partition coefficient decreases as DME-mole fraction in hydrocarbon phase increases.

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