
Analysis of mixture structure and of its influence on combustion in a CAI engine

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Supplemental material

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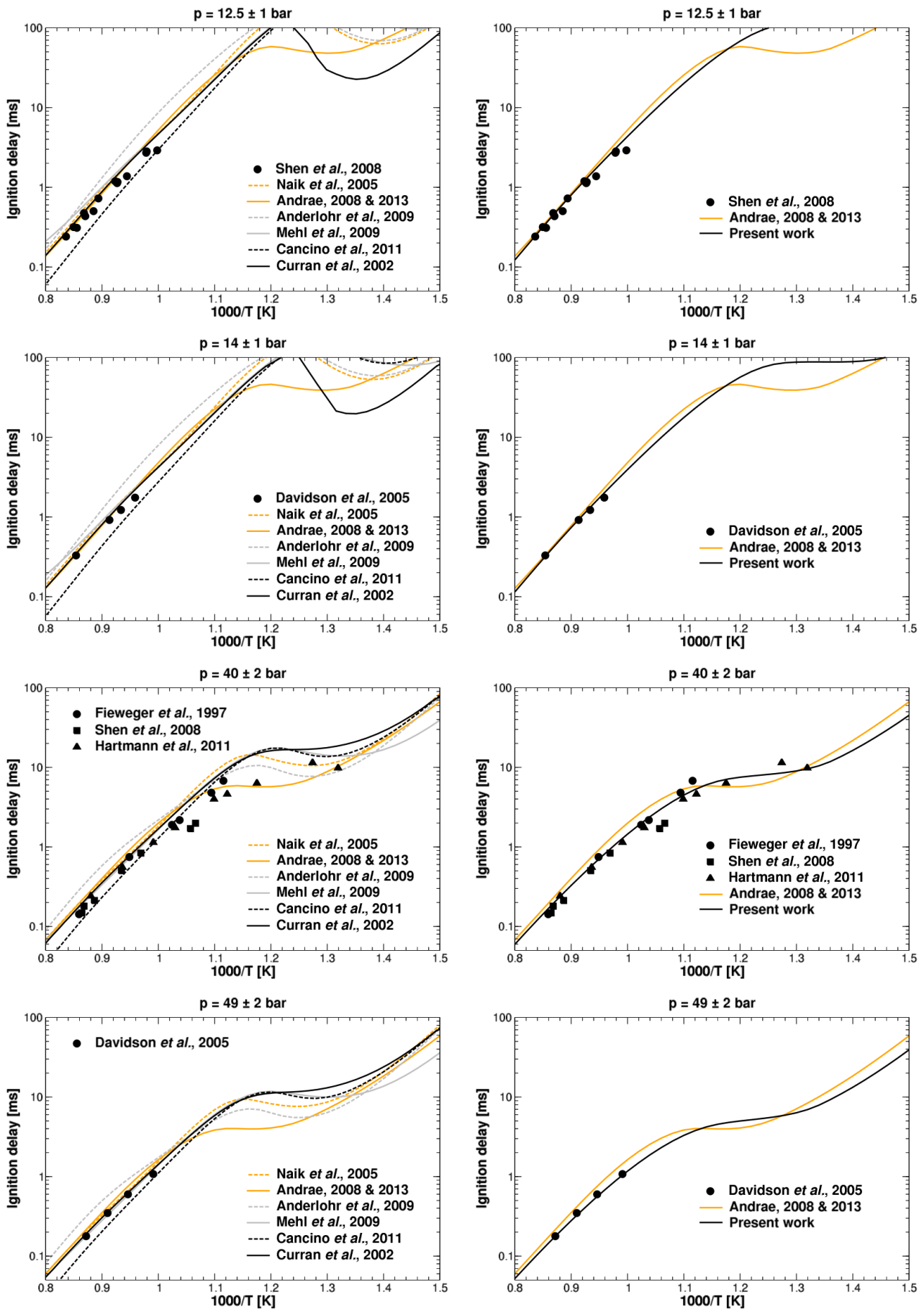


Figure 1. Comparison of auto-ignition delay measurements (symbols) with numerical predictions (lines) for lean *iso*-octane/air mixtures ($\phi = 0.5$). Left: existing mechanisms. Right: revised mechanism.

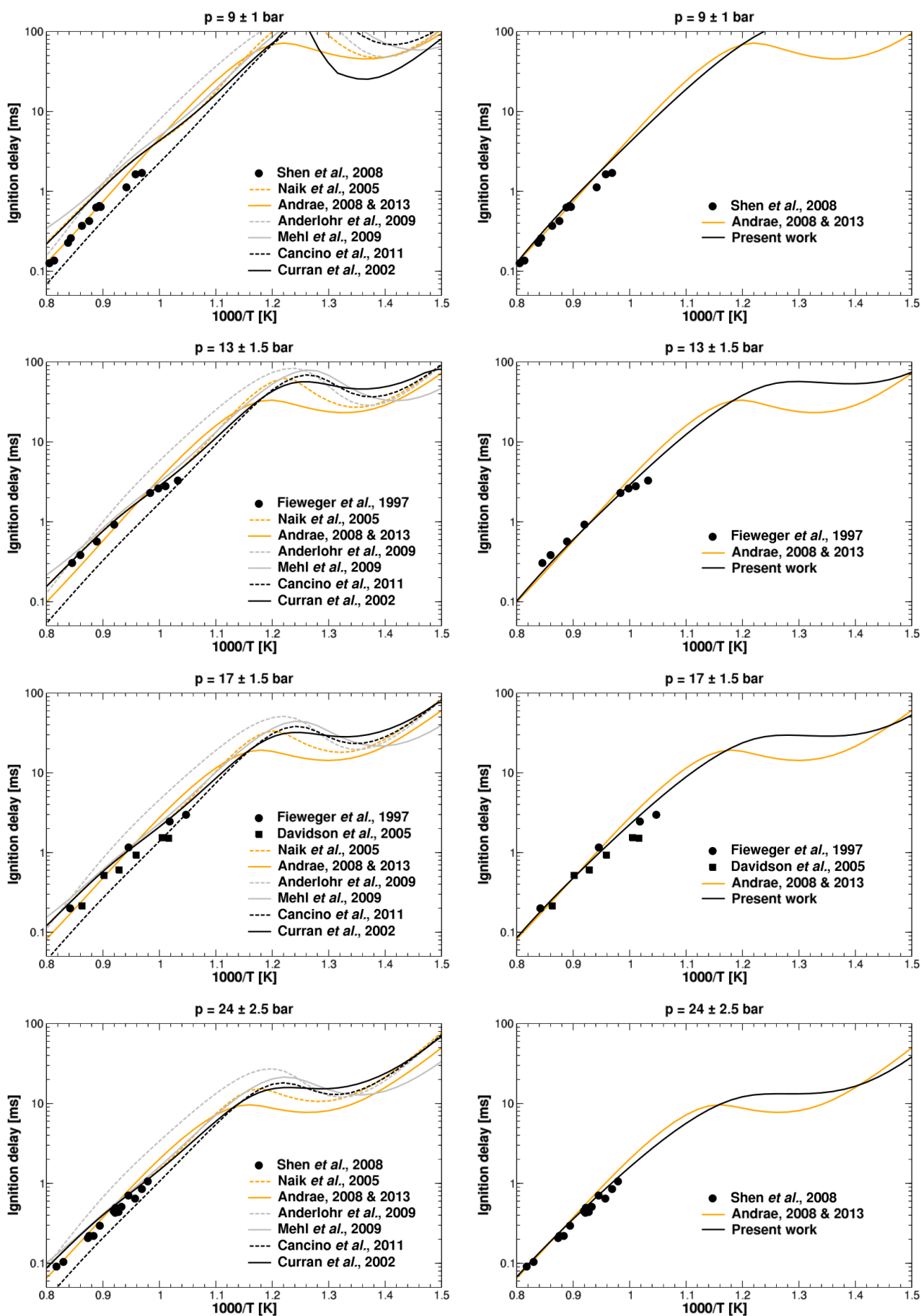


Figure 2. Comparison of auto-ignition delay measurements (symbols) with numerical predictions (lines) for stoichiometric *iso*-octane/air mixtures at lower pressures. Left: existing mechanisms. Right: revised mechanism.

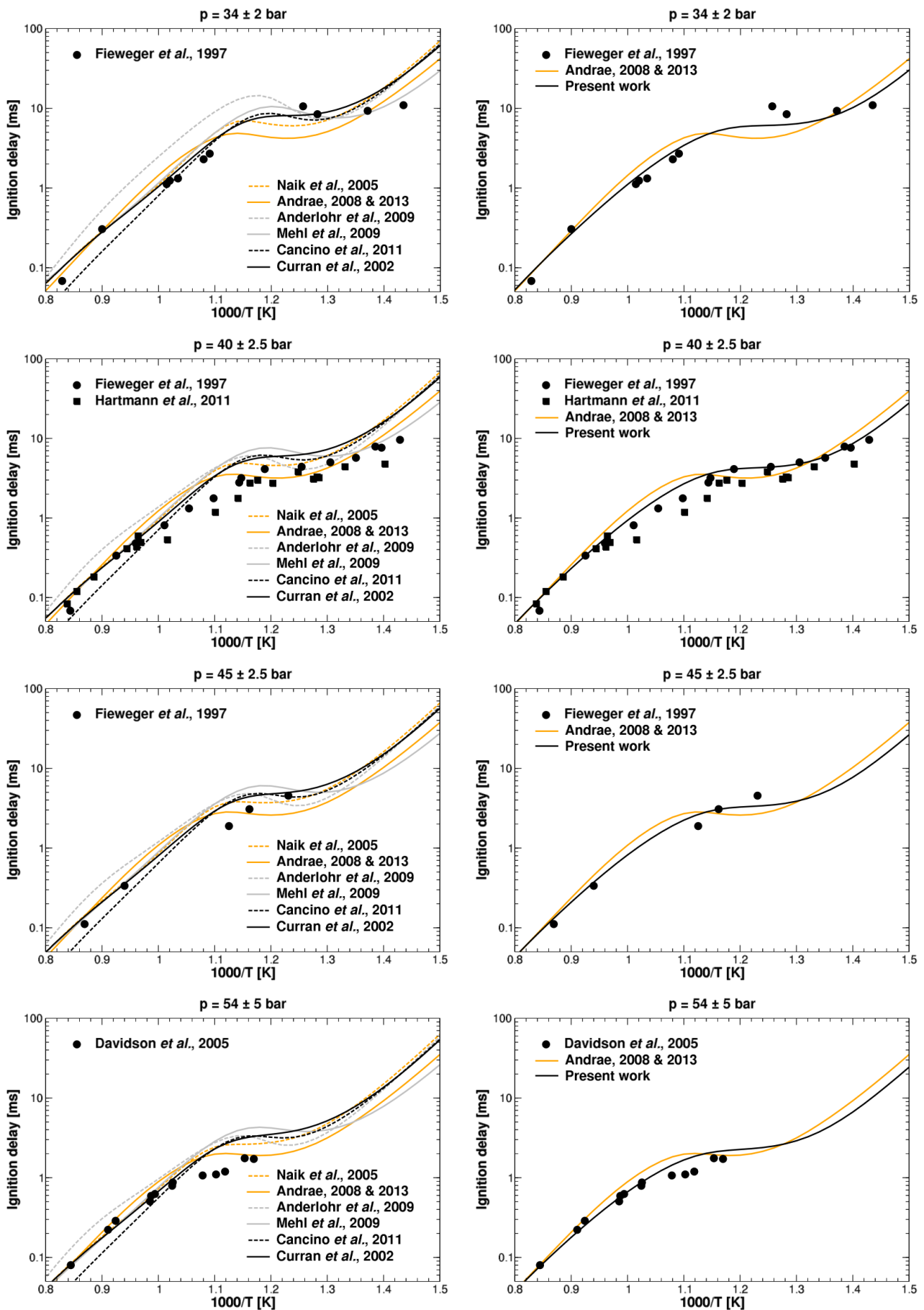


Figure 3. Comparison of auto-ignition delay measurements (symbols) with numerical predictions (lines) for stoichiometric *iso*-octane/air mixtures at higher pressures. Left: existing mechanisms. Right: revised mechanism.