

README for Supplemental Material

Impact of third-body colliders on ammonia pyrolysis and oxidation: detailed kinetic modeling and mechanistic insights

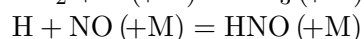
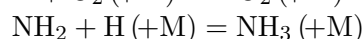
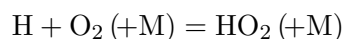
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1. Supplemental package content

The compressed archive contains the kinetic mechanism files used in the simulations reported in the manuscript. It includes the following items:

- `chem.dat` – kinetic mechanism (CHEMKIN format)
- `therm.dat` – thermodynamic properties (CHEMKIN format)
- `tran.dat` – transport properties (CHEMKIN format)
- `chem_LMR-R.yaml` – kinetic mechanism in YAML format (Cantera), including LMR-R mixture rule parametrization for the following four pressure-dependent reactions:



Compatible with Cantera (version $\geq 3.1.0$).

These files correspond exactly to the versions used in the numerical analyses reported in the paper.

2. Contact information

For questions regarding the mechanism or its use, please contact the corresponding author:

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