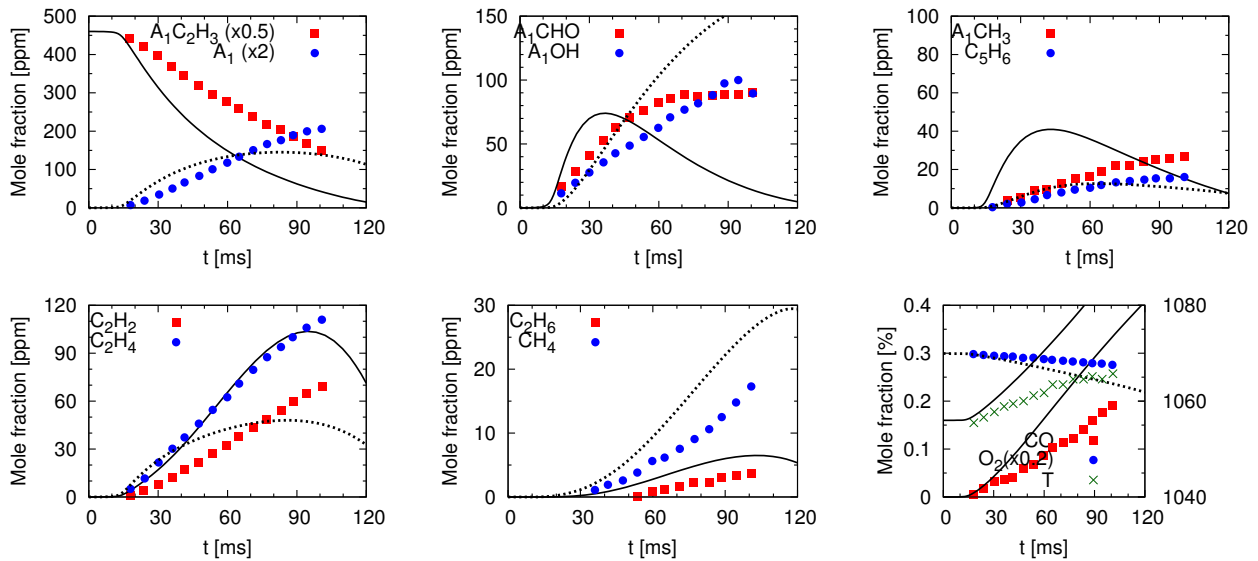


Plug Flow Reactor



The initial concentrations of fuel and oxygen were extrapolated from the measured values, resulting in small differences with the listed values.

$$\phi = 0.56 \rightarrow 0.61 \text{ with } X_F = 0.115\% \text{ and } X_{O_2} = 1.791\%.$$

References

- [1] T. A. Litzinger, K. Brezinsky, I. Glassman, The oxidation of ethylbenzene near 1060K, *Combust. Flame* 63 (1986) 251–267.