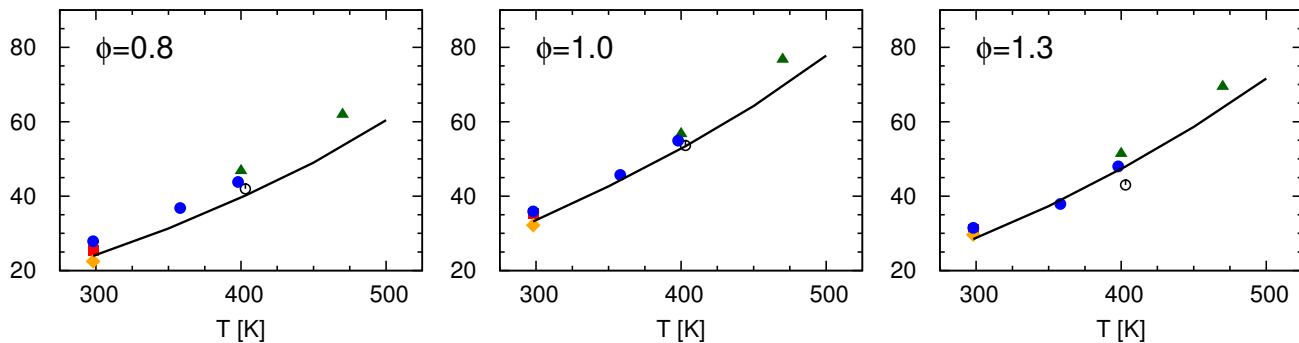
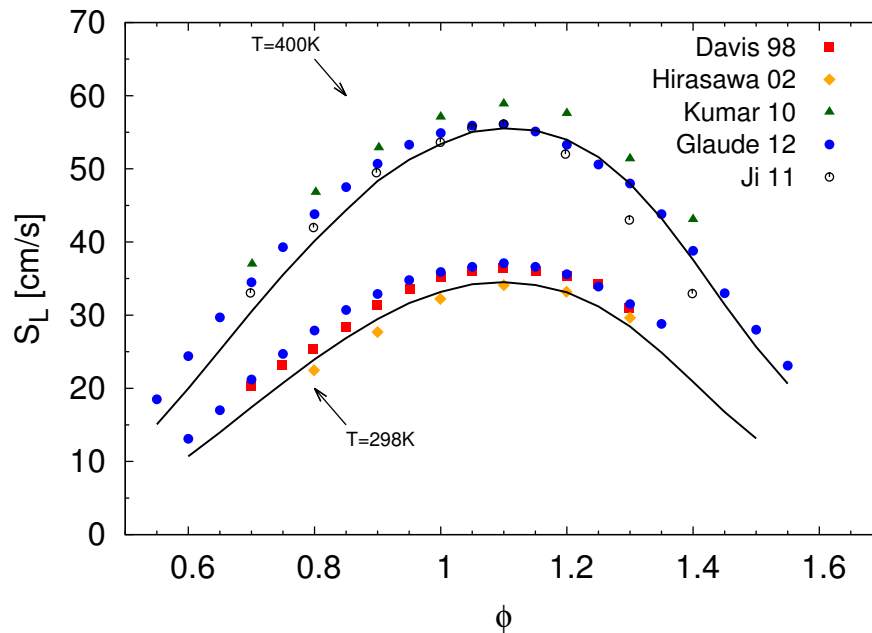


## Laminar burning velocities



Counterflow twin-flame apparatus with nonlinear extrapolation to zero stretch (Davis et al. 98, Hirasawa et al. 02, Ji et al. 11), and with linear extrapolation (Davis et al. 96).

Outwardly propagating spherical flames (Johnston et al.).

## References

- [1] S. G. Davis, C. K. Law, Determination of and fuel structure effects on laminar flame speeds of  $C_1$  to  $C_8$  hydrocarbons, *Comb. Sci. Tech.* 140 (1998) 427–449.
- [2] T. Hirasawa, C. J. Sung, A. Joshi, Z. Yang, H. Wang, C. K. Law, Determination of laminar flame speeds using digital particle image velocimetry: Binary fuel blends of ethylene, n-butane, and toluene, *Proc. Comb. Inst.* 29 (2002) 1427–1434.
- [3] K. Kumar, C.-J. Sung., Flame Propagation and Extinction Characteristics of Neat Surrogate Fuel Components, *Energy Fuels* 24 (2010), 3840–3849.
- [4] C. Ji, F. N. Egolfopoulos, Flame propagation of mixtures of air with binary liquid fuel mixtures, *Proc. Comb. Inst.* 33 (2011) 955–961.

- [5] P. A. Glaude, O. Herbinet, P. Dirrenberger, H. Le Gall, R. Bounaceur, F. Battin-Leclerc, A. Pires da Cruz, A. A. Konnov, Laminar Burning Velocity of Gasolines with Addition of Ethanol, Proc. Comb. Inst. (2012) W2P028.