

Recent shock tube developments

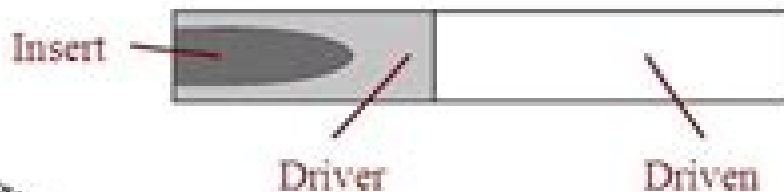
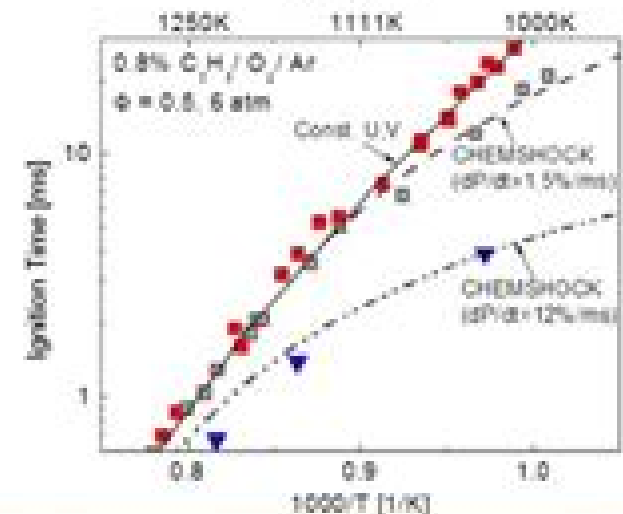
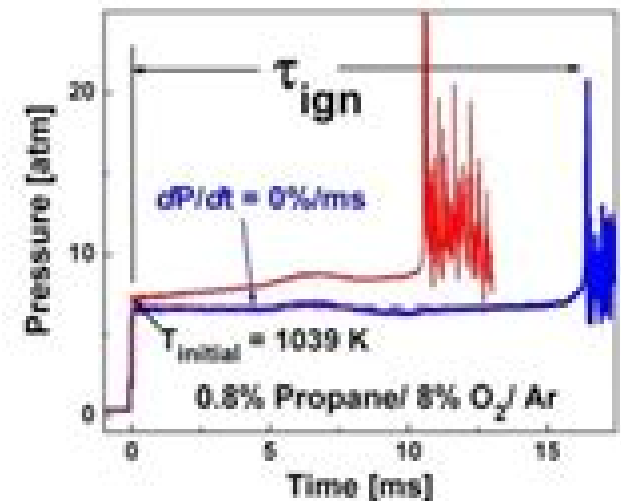


Driver inserts

Pressure profiles behind reflected shock waves in conventionally-operated shock tubes exhibit gradual rises, typically in the 1-3%/ms regime.

Small increases in temperature can significantly shorten the measured ignition delay time.

It is possible to generate near-constant pressure test conditions by slightly degrading the performance of the shock tube using inserts in the driver section.



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Yi-Tong Ma



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