

5F06: THE DISTINCTIVE CHARACTERISTICS OF COMBUSTION DURATION IN HYDROGEN INTERNAL COMBUSTION ENGINE.

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**Comment by Sebastien Candel, Ecole Centrale Paris, EM2C lab, CNRS, France**  
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Your empirical expression defining the characteristic duration of combustion contains three parameters in addition to the laminar burning velocity. Did you try to estimate these parameters by fitting your experimental data?

**Reply by Lei Zhou**  
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Thank you for your concern. Admittedly, the empirical formula in this paper is just a rough expression based on present experiment data. Now, we are analyzing more experimental data combined with CFD simulation and trying to propose a more complex and accurate formula to express the combustion duration of the H<sub>2</sub>ICE. We will propose our new solution in our new papers which will be published in the next Combustion Symposium Proceedings or the International Journal of Hydrogen Energy.