LaTeX Template of Manuscript Submission for the 37th International Symposium on Combustion

First Author[a,*], Second Author[b], Third Author[a]

[a]*First affiliation, Address, City and Postcode, Country*
[b]*Second affiliation, Address, City and Postcode, Country*

Abstract

This document is prepared in the format of the manuscript submission for the 37th International Symposium on Combustion. Please refer to the file "InstructionstoLaTeXUsers.pdf" for details about manuscript preparation and word count. Information about manuscript format can be found in "Instructions to Authors for Manuscript Preparation" available on the web page of The Combustion Institute.

Keywords:
LaTeX template, International Symposium on Combustion, Manuscript, Submission

1. Introduction

In this work, we are only dealing with straight chained alkanes, an Arrhenius-tye correlation for the ignition delay is assumed as

$$\tau = AT^n P^m \chi_F^{n_F} \chi_O^{n_O} \chi_D^{n_D} \exp\left(\frac{\tilde{E}_0 + \tilde{E}_{PS} n_{PS} + \tilde{E}_{SS} n_{SS} + \tilde{E}_{PH} n_{PH} + \tilde{E}_{SH} n_{SH}}{T}\right)$$

*Corresponding author:
Email address: author@institute.com (First Author)

For straight chained alkanes, $n_{SS} = \dfrac{n_{SH} - 2}{2}$, $n_{PS} = 2$ and $n_{PH} = 6$.

$$\tau = AT^n P^m \chi_F^{n_F} \chi_O^{n_O} \chi_D^{n_D} \exp\left(\frac{E_a + E_{SH} n_{SH}}{T}\right)$$

One could also consider

$$\tau = AT^n P^m \chi_F^{n_F} \chi_O^{n_O} \chi_D^{n_D} \exp\left(\frac{E_0 + E_1 n_{SH} + E_2 n_{SH}^2 + E_3 n_{SH}^3 + \cdots}{T}\right)$$

Acknowledgments