Sub Topic: e.g., Laminar Flames

12th U. S. National Combustion Meeting
Organized by the Central States Section of the Combustion Institute
May 24–26, 2021 (Virtual)
College Station, Texas

Title of the Paper [18pt]

Author Name\textsuperscript{1}, Author Name\textsuperscript{1}, Author Name\textsuperscript{2}, Author Name\textsuperscript{2}* [14pt Italic]

\textsuperscript{1}Department, Institution, Address, Country [12pt Italic]
\textsuperscript{2}Department, Institution, Address, Country
*Corresponding Author Email: author@university.edu

Abstract: [10pt] Abstract should be between 300–500 words and should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords: Keyword1, Keyword2, Keyword3, Keyword4 [10pt Italic]
(Provide 2-4 keywords describing your research. Only abbreviations firmly established in the field may be used. These keywords will be used for sessioning/indexing purposes.)

1. Introduction [12pt]

All text [12pt]

Sample Equation:

\[ X_i \equiv Y_i W_{N2}/W_i \] (1)

\[ \xi_{st} = (Y_{O2,1} - 4Y_{F,1})/(Y_{O2,1} + 4Y_{F,r} - Y_{O2,r} - 4Y_{F,1}) \] (2)

Sample Figure: [Inline with text. Do not text wrap]

Figure 1: Schematic illustration of the outer structure of a partially premixed methane flame established between counterflowing streams of methane mixed with nitrogen and fuel-lean mixture of oxygen, nitrogen and methane
Sample Table:

Table 1: Rate data for elementary reactions employed in the asymptotic analysis. Units are moles, cubic centimeters, seconds, Joules, Kelvin.

<table>
<thead>
<tr>
<th>Number</th>
<th>Reaction</th>
<th>$B_n$</th>
<th>$\alpha_n$</th>
<th>$E_n$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1f</td>
<td>$O_2 + H \rightarrow OH + O$</td>
<td>2.000E+14</td>
<td>0.00</td>
<td>70.30</td>
</tr>
<tr>
<td>1b</td>
<td>$O + OH \rightarrow H + O_2$</td>
<td>1.568E+13</td>
<td>0.00</td>
<td>3.52</td>
</tr>
<tr>
<td>2f</td>
<td>$H_2 + O \rightarrow OH + H$</td>
<td>5.060E+04</td>
<td>2.67</td>
<td>26.3</td>
</tr>
<tr>
<td>2b</td>
<td>$H + OH \rightarrow O + H_2$</td>
<td>2.222E+04</td>
<td>2.67</td>
<td>18.29</td>
</tr>
<tr>
<td>3f</td>
<td>$H_2 + OH \rightarrow H_2O + H$</td>
<td>1.000E+08</td>
<td>1.60</td>
<td>13.80</td>
</tr>
<tr>
<td>3b</td>
<td>$H + H_2O \rightarrow OH + H_2$</td>
<td>4.312E+08</td>
<td>1.60</td>
<td>76.46</td>
</tr>
<tr>
<td>4f</td>
<td>$OH + OH \rightarrow H_2O + O$</td>
<td>1.500E+09</td>
<td>1.14</td>
<td>0.42</td>
</tr>
<tr>
<td>4b</td>
<td>$O + H_2O \rightarrow OH + OH$</td>
<td>1.473E+10</td>
<td>1.14</td>
<td>71.09</td>
</tr>
<tr>
<td>5</td>
<td>$H + O_2 + M \rightarrow HO_2 + M$</td>
<td>2.300E+18</td>
<td>-0.80</td>
<td>0.00</td>
</tr>
<tr>
<td>6f</td>
<td>$CO + OH \rightarrow CO_2 + H$</td>
<td>4.400E+06</td>
<td>1.50</td>
<td>-3.10</td>
</tr>
<tr>
<td>6b</td>
<td>$H + CO_2 \rightarrow OH + CO$</td>
<td>4.956E+08</td>
<td>1.50</td>
<td>89.76</td>
</tr>
</tbody>
</table>

2. Methods / Experimental

3. Results and Discussion

4. Conclusions

5. Acknowledgements

This research was funded by …

6. References

References should be indicated in the text by full-size numbers in brackets, e.g., [1], [2–3], and should be numbered in the order cited. The actual authors can be referred to, but the reference number(s) must always be given. The numbered reference list at the end of the paper should conform to the following style used for Combustion and Flame:
Sub Topic: e.g., Laminar Flames

Journal article:

Journal article in press:

Book:

Reference to a chapter in an Edited Book:

Symposium Proceedings:
All symposium papers associated with the International Symposium on Combustion published before 2000 should be cited in the following way:

All symposium papers associated with the International Symposium on Combustion published in 2000 or later should be cited in the following way:

Conference Proceedings
A conference proceedings should be styled as a book, with publisher or institution sponsoring publication and the year published as well as the year the conference was held. Authors must ensure that these references are publicly available. Example:

Internal Reports:

Journal abbreviations sources:
Journal names should be abbreviated according to the List of Title Word Abbreviations link:
http://www.issn.org/services/online-services/access-to-the-ltwa/
or alternatively the Journal Titles and Abbreviations link:
http://www.pg.gda.pl/chem/Dydaktyka/Analityczna/MISC/Journal_Titles_and_%20Abbreviations.htm

Page Limits: The total length of the paper including references should be limited to 10 pages.