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INSERT NAMES OF AUTHOR(S) HERE: FIRSTNAME LASTNAME¹, FIRSTNAME LASTNAME¹, and FIRSTNAME LASTNAME²

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ABSTRACT [HEADING 1 STYLE]

[Body Text style] Document abstract goes here. It should include a concise description of the results and findings of the research.

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KEYWORDS: *At least 3* keywords are required with all letters in lower case and not bold. Careful consideration should be given to selection of keywords as they will be used to generate the Keywords Index for the proceedings volume. A list of suggested keywords is provided at the end of the IAFSS8_Author Instructions document. It is recommended that you select at least one of these words. If you already have a keyword that has the same meaning as one of the words on the list, use the word provided on the list.

NOMENCLATURE LISTING (IF APPLICABLE) [HEADING 1 STYLE]

If symbols are used extensively, a nomenclature listing, arranged alphabetically, must be included in the paper immediately following the Keywords listing. All subscript and superscript symbols appear separately in the listing. If units of measure are provided, place them in parentheses next to the applicable term. A table, as provided below, can be used to simplify two column layout of nomenclature list.

<i>a</i>	apparatus dimension (m)	T_0	ambient temperature (K)
c_p	heat capacity (kJ/kg/K)	<i>t</i>	time (s)
<i>H</i>	half-length of the window (m)	<i>x</i>	dimension into glass (m)
<i>h</i>	heat transfer coefficient (W/m ² /K)	<i>y</i>	away from edge (m)
<i>I</i>	absorbed radiant heat flux (kW/m ²)	<i>z</i>	along edge (m)
<i>k</i>	thermal conductivity (W/m/K)	Greek	
<i>L</i>	glass thickness (m)	α	thermal diffusivity (m ² /s)
<i>l</i>	decay length (m)	ε	emissivity
<i>q</i>	heat flux (kW/m ²)	subscripts	
<i>s</i>	shaded length (m)	<i>L</i>	ambient side of glass plane
<i>T</i>	temperature (K)	<i>0</i>	fire side of glass plane

INTRODUCTION [HEADING 1 STYLE]

[Body Text style] Document introduction goes here.

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SUPPLEMENTARY HEADING 1 [HEADING 1 STYLE]

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Supplementary Heading 2 [Heading 2 style]

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OPTIONAL DOCUMENT COMPONENTS

Abbreviations and acronyms

Write out abbreviations or acronyms at their first mention in the text followed by the abbreviation or acronym in parenthesis.

Symbols

Symbols in the text of the document should be italic. Symbols must be defined either in the text or in a Nomenclature Listing table. Symbol definitions should include the units of the symbol.

Equations [Equation Style]

Equations are numbered consecutively in the text and referred to as Eq. 1, etc. If the equation reference is the first word in a sentence, then spell the word Equation. An Equation style has been provided which includes a right aligned tab stop for the equation number and extra space after the paragraph.

$$\frac{dm_1}{dt} = -\{k_1(T) + k_2(T)\}m_1, \quad \frac{dm_2}{dt} = k_2(T)m_1, \quad \frac{dT}{dt} = H \quad (1)$$

$$m(T_c) = m_1(T_c) + m_2(T_c) = \frac{r+1}{2}. \quad (2)$$

Figures

- All figures must have a number and caption [Caption style], i.e., Fig. 1. Fire in unoccupied building. A single space separates the word Fig. and the figure number, as well as the figure number and caption. Number figures consecutively with Arabic numerals.
- Figure captions should be as concise as possible detailed information/descriptions about the figures should be given in the text.
- Figure captions are centered below the figure, in sentence case with a period at the end.
- In the text, references to figures are numbered consecutively and referred to as Fig. 1, etc. If the figure reference is the first word in the sentence, then spell out the word Figure.
- Figures are centered.
- In Word 2000, pictures are inserted in line with text. Whenever possible, this option should be applied to pictures to minimize unexpected movement of surrounding text.

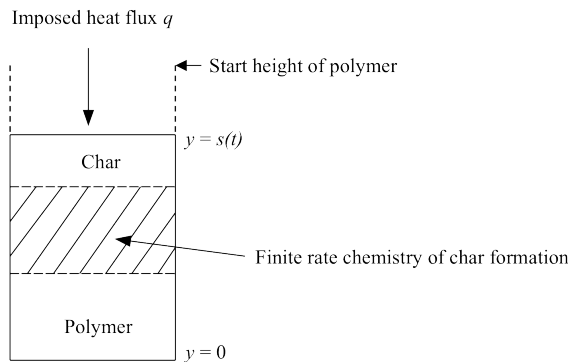


Fig. 1. Figure caption, sentence case, with period at the end. [Caption style]

Tables

- All tables must have a number and title [Table Title style], i.e., Table 1. Heat fluxes selected for the preheating region. A single space separates the word Table and the table number as well as the table number and title. Number tables consecutively with Arabic numerals.
- Table titles should be as concise as possible detailed information/descriptions about the tables should be given in the text.
- Table titles are placed above the table, centered, in sentence case, with a period at the end.
- Tables are centered.

Table 1. Table title, sentence case, with period at the end. [Table Title style]

Column 1	Column 2	Column 3 ^a
Left align text in table rows for better legibility ^b	31	499.6
Sample text	30	88.8
Sample text	29	516.5
Sample text	29	6.4

^aDecimal alignment of numbers in columns improves legibility

^bTable footnotes are referenced by superscript letters

RULES FOR REFERENCES (delete this section)

- Indicate references in the text using full-size numbers in brackets, i.e., [1]. References are numbered consecutively in the text.
- Include the full title in the references list [Reference style]. The reference style formats the indented paragraph and applies consecutive numbers to items in the list.
- DOI citations should be included in references where available. DOIs can be found by inserting reference text at the following site: <http://www.crossref.org/freeTextQuery/>.
- References are fully justified.
- Website references are not permitted.

REFERENCES

- [1] Drysdale, D. *An Introduction to Fire Dynamics*. John Wiley and Sons, Chichester, 1985.
- [2] Magnussen, B. F. and Hjertager, B. H. On mathematical modeling of turbulent combustion with special emphasis on soot formation and combustion. In *16th Symp. (Int.) on Combustion*, Pittsburgh, 1976, [http://dx.doi.org/10.1016/S0082-0784\(77\)80366-4](http://dx.doi.org/10.1016/S0082-0784(77)80366-4). The Combustion Institute.
- [3] Beyler, C. Flammability Limits of Premixed and Diffusion Flames. *SFPE Handbook of Fire Protection Engineering (4th ed.)*, DiNenno, P. J. (ed.), National Fire Protection Association, Quincy, Massachusetts 02269, 2008, p. 2/194.