

Instructions for Manuscript Preparation 2nd Report: Subtitle if you need

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Abstract should be written with 10 pt Times New Roman and single-space from here. The length of the abstract is limited within 150 words. Please send a PDF(.pdf) file of 2 - 6 pages with A4 size to the scientific secretary js-rae24@jsrae.or.jp . High quality setting is recommended for PDF conversion. The file should be less than 5 MB. Deadline: July, 7th, Friday

..... (The end of abstract).

Keywords: Keyword1, Keyword2, Keyword3, Keyword4, Keyword5

1. Introduction

Manuscripts should be made from two to six pages of A4 paper. The main text should be written in single-column format with a font of 10 pt Times New Roman.

2. Paper size and Margins

2.1. Paper size

A4 Paper

2.2. Margins

top : 25 mm, bottom : 25 mm

left : 20 mm, right : 20 mm

upper header : 15 mm from top edge of paper

3. Format

Manuscripts should consist of the title, author(s), author' s affiliation and address, abstract, keywords, and main text. Title, author(s), author' s affiliation and address, abstract and keywords should be written according to the format given above.

3.1. Main text

Main text should begin two lines bellow keywords. If indentation is used, it must be five spaces for each indentation.

3.2. Heading

Examples of heading are as follows.

4. Top Heading Sample

Experimental setup is shown in Fig.1.

4.1. 2nd heading sample

(1) 3rd heading sample

Thermocouples were inserted in capillary tubes ...

5. Equations

Equations and symbols should be written with 10pt italic font except super/sub scripts. There should be one line space upper and lower equation. In the main text, an equation is explained as Eq. (1).

$$G_{in} - F_{in} = p_{in} V_{in} \tag{1}$$

6. Figures, Tables, Pictures

Color figures are acceptable. Keep margins. Figures, tables, and photos should be explained in main text as Fig.1, Table 1, Photo 1. Examples are as follows.

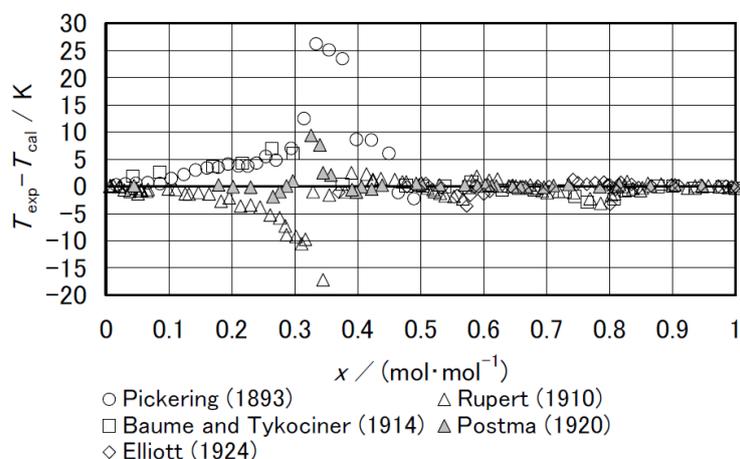


Fig. 1. Deviation of measured freezing point temperatures from correlations by Tillner-Roth[1].

Table 1. Historical data of vapor pressure of ammonia.

Author	Year	T/K	p/MPa	Ref.
Keyes	1918	240-398	0.103-9.96	1
Cragoe	1920	195-343	0.00563-3.31	25
McKelvey	1923	195-195	0.1	26
Beattie	1930	303-405	1.17-11.3	8
Overstreet	1937	176-242	0.0008-0.1114	27

6.1. References

References should be indicated by [1], [2, 3], [4-7], and be listed at the end of manuscript. Examples are shown in the next page.

6.2. How to Submit Your Manuscript

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6.3. Deadline

July, 5th, 2024

6.4. Inquiry

Organizing Committee of 2024 JARAE Annual Conference
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NOMENCLATURE

- c_p : specific heat at constant pressure, $\text{kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$
- h : specific enthalpy, $\text{kJ} \cdot \text{kg}^{-1}$
- p : pressure, kPa
- T : temperature, K
- t : Celsius temperature, $^{\circ}\text{C}$

REFERENCES

- [1] R. Tillner-Roth, J. Li, A. Yokozeki, H. Sato, and K. Watanabe, "Thermodynamic Properties of Pure and Blended Hydrofluorocarbon (HFC) Refrigerants", JSRAE, (1997).
- [2] F. G. Keyes and R. B. Brownlee, The Vapor Pressure of Liquid Ammonia up to the Critical Temperature.[Part II.], Journal of the American Chemical Society, 40(1), (1918), pp. 25–45.
- [3] T. Miyazaki and K. Oguchi, Proc. 2001 JSRAE Annual Conference, Tokyo, (2001), pp. 181–184. (in Japanese)
- [4] J. Shokuhin, Technical report of JSRAE, JSRAE Corp., (2010).
- [5] Wind in power: 2015 European statistics, available from <<http://www.ewea.org/statistics/>>, (accessed on Apr. 14, 2016).
- [6] Y. Higashi and R. Akasaka, Measurements of Thermodynamic Properties for R1123 and R1123 + R32 Mixture, Proceedings of the Sixteenth International Refrigeration and Air Conditioning Conference at Purdue, West Lafayette, Indiana, (2016), Paper ID: 1688.
- [7] G. Myhre, D. Shindell, F. Bréon, W. Collins, J. Fuglestedt, J. Huang, D. Koch, J. Lamarque, D. Lee, B. Mendoza, T. Nakajima, A. Robock, G. Stephens, T. Takemura, and H. Zhang, Anthropogenic and Natural Radiative Forcing. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, Intergovernmental Panel on Climate Change, Cambridge, (2013).
- [8] ASHRAE, Update on New Refrigerants Designations and Safety Classifications, available from <<http://hdl.handle.net/20.500.11822/29025>>, (accessed on Apr. 14, 2016).
- [9] T. Reito, "A Study of Novel Heat Exchanger Designs for High-Efficiency Air-Conditioning Systems", Ph. D. thesis, Nihonbashi University, (2017). (in Japanese)
- [10] H. Kucho, Optimization of Cold Storage Design for Improved Thermal Performance in Supermarket Refrigeration Systems, Master's thesis, Chuo Institute of Technology, (2008). (in Japanese)

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Overview This template is a LaTeX template compatible with the proceedings of the 2024 Japan Society of Refrigerating and Air Conditioning Engineers Annual Meeting. It has been adjusted to match the MS Word version template as closely as possible. Please do not change the format settings in the preamble and the margin settings in the main text (`\vspace{. . }`).

Reference List Examples after [6] have been added. Specifically, the proceedings with no page numbers and with a Paper ID [6], the case where there are a large number of authors [7], a citation of a website with an author [8], and examples of a doctoral dissertation [9] and a master's thesis [10] have been added for reference.