

# SAMPLE EXAMPLE OF A TECHNICAL PAPER FOR THE CONFERENCE

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## ABSTRACT

It should provide the problem statement, objectives, brief method of analysis and conclusions.

## INTRODUCTION

It should provide the problem definitions, background information, relation (if any) and a brief description of the prior work in the field, and the objectives of the present work.

## BODY

The body of the paper should all details of the work, and may be broken down into several sections and subsections. Refer to the more details in the separate instructions.

The equations should be typed centered in the column as follows with consecutive numbers flushed to the right margin.

$$\alpha SA_p = \sigma \epsilon T_m^4 A_s \quad (1)$$

Table 1. Atmospheric Lives and Global Warming Potentials of Some Greenhouse Gases (Jones and Kim, 1996)

Greenhouse gas	Atmospheric Life, yrs	GWP (mass basis)
CO <sub>2</sub>	50 – 100	1
CH <sub>4</sub>	12.2	21
N <sub>2</sub> O	120	310
R-134a	14	1300
R-12	102	8500

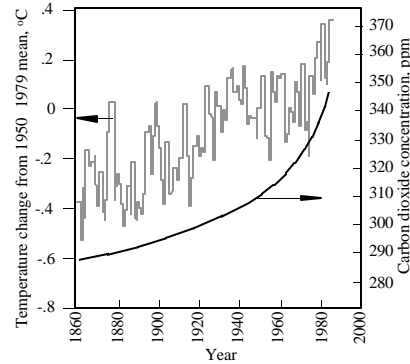


Fig. 1 Correlation between the atmospheric concentration of CO<sub>2</sub> and global average temperature increase (Smith, 1990)

$$IEWI_o = \frac{\kappa \dot{q}_{\max}}{\eta COP_{\text{vent}}} \left( 1 - \frac{3}{4} \Psi \right) \quad (2)$$

For only one or two equations, the nomenclature could be defined right after the equations instead separately as below.

## RESULTS

This section should summarize all the results and their trends with parameters of the study.

## DISCUSSION

Sufficient discussion should be provided on the interpretation and implications of the results obtained in the study. Also provide discussion of their comparison with the published results.

## CONCLUSIONS

Itemize specific conclusions of the study as follows.

1. Point out technical significance of the work, its limitations and advantages, and application of the results.
2. Summarize major findings/accomplishments and further work.

## NOMENCLATURE

List all nomenclature in an alphabetical order, with English symbols followed by Greek symbols, its formula and SI units.

$A_p$  earth's projected area,  $\pi r^2$ ,  $m^2$   
 $Nu$  Nusselt number,  $hD_h$ , dimensionless  
 $\sigma$  Stefan-Boltzmann constant,  $kW/m^2 K^4$

### Subscript

i inner

### REFERENCES

S. Arrhenius, 1896, On the influence of carbonic acid in the air upon the temperature of the ground, *Philos. Mag.*, Vol. 41, pp. 237-277.

W. M. Washington and C. L. Parkinson, 1986, *An Introduction to Three-Dimensional Climate Modeling*, University Science, Mill Valley, California, USA.