Appendix A: Author's Guide

Do not put contents or lines in headings

General

A4, vertical page, margin settings (Top 5cm, Bottom 4cm, Left/Right 2.8cm)
Single line spacing, Single column, in Black

Title

Put the title of the paper here with font Arial, size 16pt, centered, length up to 2 lines

Authors

First + Middle (initial) + Last name*1a(Superscript—*:Corresponding, 1:affiliation, a:footnote info),
Sullivan T. Smith*2, Tanaka Ikarashi1a and Ahmed M. Mohamed2b

Affiliations

1Affiliation (Department, Institute, Address, Country) with font Arial, size 9.5pt
2Department of Civil Engineering, Korean Advanced Institute for Science and Technology,
291 Daehak-ro, Yuseong-gu, Daejeon 305-701, Republic of Korea

Dates

(Received keep as blank , Revised keep as blank , Accepted keep as blank)

Abstract

Insert abstract paragraph here with Times New Roman font and 10.5pt size. Abstract length needs to be approximately 250 words (about 15 lines). Do not have References, Equations, Figures, or Tables in the abstract.

Abstract. This study aimed to develop a model to accurately predict the acceleration of structural systems during an earthquake. The acceleration and applied force of a structure were measured at current time step and the velocity and displacement were estimated through linear integration. ……

Keywords

Keywords: complex terrain; typhoon wind field; CFD simulation; surface roughness length; topography

Main text

1. Introduction

Section title - Level 1:
Arial, 11pt, Bold, No indent

Normally, strong winds have been associated with two types of wind in typhoon prone region. The first one is the nature win … on, or say severe tropical cyclone. Many investigations about the … bility) characteristics of frames of various types have been carried out. Cheng (2011) have studied the elastic critical loads for plane frames by using the transfer matrix method. A general digital computer method has been described by Cheng and Xu (2012) ……

Text: Times New Roman, 11pt,
0.5cm indent for the first line

Reference Citation (1 author)

Reference Citation (2 authors)

2. Section title: Level 1

The system examined, shown schematically in Fig. 1 is a beam of variable cross section, carrying a so called heavy tip mass *M*. Its mass moment of inertia with respect to the perpendicular axis at the centroid *S* is denoted by J_S. Analytical and experimen … s on vibrating frames carrying concentrated masses have been studied by using analytical solutions and the finite element method (Cheng *et al*. 2013a, b). …

Figure Citation
(1 figure)

Reference Citation
(more than 3 authors)

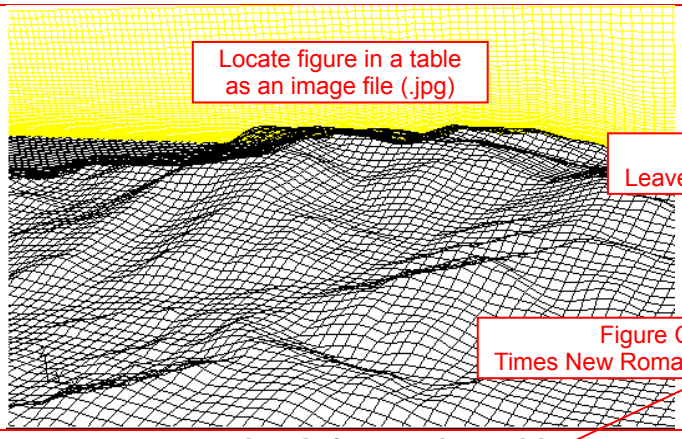
Footnote

*Corresponding author, Professor (or Ph.D., etc.), E-mail: email address
[a] Ph.D., E-mail: email address
[b] Ph.D. Student, E-mail: email address

Times New Roman, 10pt

Selective

Figure



Locate figure in a table as an image file (.jpg)

Limit line of the table
Leave single lines for all borders

Figure Caption:
Times New Roman, 10pt, Centered

Figure Caption

Fig. 1 Mesh grid of topographic model

Subtitle - Level 2:
Arial, 11pt, *Italic*, 0.5cm indent

2.1 Numerical simulation procedure

One can write the extended form of the Hamilton's Principle with the notations used in the

Mathematical expression:
Insert > Object > Microsoft Equation 3.0

$$U_L = \frac{1}{2}\left(\int_0^d EI(v_1'')^2\,dx\right) + \frac{1}{2}\left(\int_0^d EA(u_1')^2\,dx\right) \quad (1)$$

Consecutive no.: Right alignment

In consideration of different 10m height wind speed v10 and the power law exponent index α results shown in Table 2, the representative upstream typhoon wind fields at different directions used as the input data for training A determined, which is shown in Tables 1-2.……

Table Citation
(1 Table)

Table Citation
(2 Tables)

3. Section title: Level 1

Equation Citation
(2 Equations)

Equation Citation
(1 Equation)

e developed to represent a cracked beam element of length d and the crack is located at a distance d_1 from the left end of the element as shown in Figs. 2-3. Substituting Eqs. (3)-(4) in Eq. (7) yields the general equation for the local compliances as follows (considering that all K's are independent of η; η: see Figs. 2(a)-(b)). In this regard, the circ bridge as a center with a proper radius shall be considered (see Fig. 1 and 3).……

Figure Citation
(more than 2 figures in order)

Figure Citation
(more than 2 figures)

Table Caption:
Times New Roman, 10pt

Table Caption

Table 1 Caption

Table

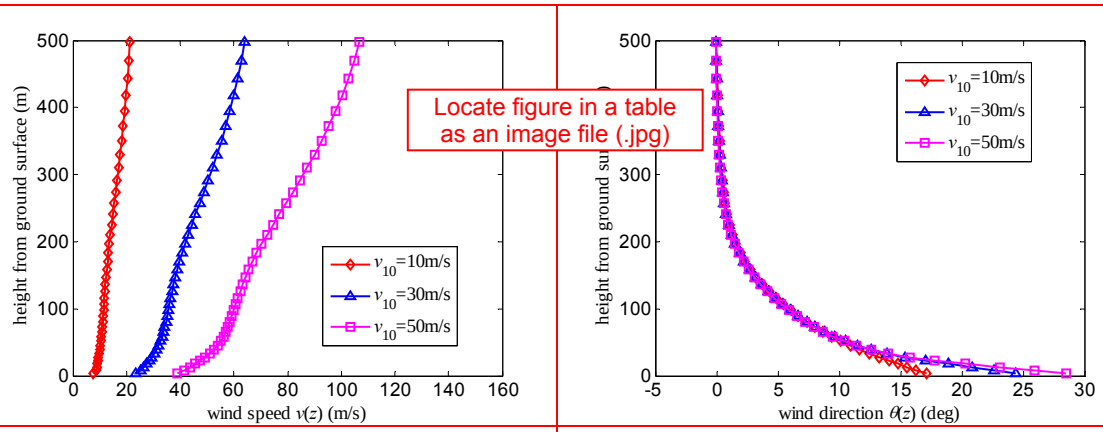
		Intact	DI	D2	Intact	DI	D2
OF-1*	Mean	2.63	2.62	2.53	3.34	2.67	2.46
	SD	0.041	0.369	0.123	0.290	0.444	0.207
OF-3	Mean	23.39	23.24	22.55	23.63	23.12	22.73
	SD	0.021	0.161	0.161	0.042	0.251	0.213

Footnote

*OF-1: Observed Frequency for 1st mode; OF-3: Observed Frequency for 3rd mode

Additional explanations for items in the table

Figures



Locate figure in a table as an image file (.jpg)

(a) Wind speed profile (b) Wind direction profile

Figure Captions

Fig. 2 ANN model output training data for upstream typhoon wind field coming from N direction with exponent 0.22

4. Section title: Level 1

4.1 Subtitle: Level 2

Subtitle - Level 3: Arial, 11pt, *Italic*, 0.5cm indent

4.1.1 Subtitle: Level 3

On the day of the beam test, the respective control cylinders were capped and tested in compression to determine the compressive strength of concrete. Table 1 shows that the average values of the 56-day compressive strengths are 69.2 and 68.7 MPa for Series V and S specimens, respectively. The r mix designs were different, they had similar compressive

Subtitle - Level 4: Arial, 11pt, *Italic*, Underline, 0.5cm indent

Subtitle: Level 4

Chondros *et al.* (1998) have developed a continuous cracked beam vibration theory for the lateral vibration of cracked Euler B dge or double-edge open cracks….

Reference Citation (more than 3 authors)

5. Conclusions

A numerical simulation procedure for predicting directional typhoon wind fields over complex terrain has been proposed in this study.

- The reduction of natural frequency depends on the crack depth and crack location.
- Higher drops in the in-plane natural frequency are observed when the crack is located near the roots or

List-item marks: Medium-size circle (●), 0.5cm indent

Acknowledgments

The research described in this paper was financially supported by the Natural Science Foundation ……

Times New Roman, 10pt
List in alphabetical order

References

References

Author(s): As appears in the original paper title, reference except the first author's last name comes first

Journal Papers

Author(s) (Year), "Title of paper (Capital letter only for the first letter)", *Name of Journal (Italic)*, **Volume number in bold**(Issue number in non-bold), page-page.

Journal titles: Abbreviated

Cheng, Y.F. (2011), "A comparison of large……", *Struct. Eng. Mech.*, **91**(4), 1301-1328.

Cheng, Y.F., Xu, B.M. and Carter, G.D. (2012), "A comparison of large……", *Comput. Concrete*, **91**(4), 1301-1328.

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Cheng, [illegible] omparison of large……", *Steel Comp. Struct.*, **91**(4), 1301-1328.

Cheng, Y.F. and Xu, B.M. (2013b), "A comparison of large……", *J. Wing Eng.*, **91**(4), 1301-1328.

Books

Author(s) (Year), *Name of Book (Every word starts in capital letter)*, Name of publishing company, City, State, Country.

Harris, D.C. (2007), *Quantitative Chemical Analysis*, W.H. Freeman and Company, New York, NY, USA.

Harris, D.C. (2007), *Quantitative Chemical Analysis*, (7th Edition), W.H. Freeman and Company, New York, NY, USA.

Proceeding Papers

Author(s) (Year), "Title of paper", *Name of Proceeding or Name of occasion (Every word starts in capital letter)*, City, Month.

Kerciku, A.A., Bhattacharya, S., Burd, H.J. and Lubkowski, Z.A. (2008), "Fixity of pile foundations ……", *Proceedings of the 14th World Conference on Earthquake Engineering*, Bejing, China, October.

Dissertations

Author(s) (Year), "Title of paper", Ph.D. Dissertation, Name of University, City.

Sajjad, M. (2005), "Evaluation of bacterial strategies……", Ph.D. Dissertation, Michigan State University, Michigan.

Magazines

Author(s) (Year), *Title of Paper (Every word starts in capital letter)*, Name of Magazine, Published Month.

Carey, A.A. and Hayzen, A.J (2001), *The Dielectric Constant and Oil Analysis*, Practicing Oil Analysis Magazine, September.

Research Reports

Research Reports

Design Codes

Design code (Year), *Title*, Full name of the code, City.

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