論文体裁見本

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左マージン　15 mm

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LESによる強制振動角柱に作用する変動風力の解析

LARGE EDDY SIMULATION OF UNSTEADY PRESSURE FIELD ACTING ON OSCILLATING PRISM

ゴシック，14pt

9行を標準とする

文字サイズ，フォントは，指定のない限り 10.5 ポイントの明朝体あるいは Times New Roman とする.

風工　学1)　　　構造　剛2)　　　環境良子3)

Manabu KAZEKO1), Tsuyoshi KOZO2) and Yoshiko KANKYO3)

3行

約 10 ワード（約 60 文字）× 12 行を標準とする

ABSTRACT

Unsteady velocity-pressure fields around an oscillating square prism are analyzed by means of Large Eddy Simulation (LES). The accuracy of the numerical results is assessed by comparison with experimental data・・・ a good agreement with the experimental data in terms of, 1) the phase angle between the displacement of the oscillating prism and the negative pressure acting on the side face, 2) the correlations of the pressures across the side face.

ページ設定行で9行程度相当

Key Words: LES, Oscillating prism, Unsteady pressure field

3，4 の英文キーワードを付ける

2行

1．はじめに

本文の開始

著者らは既報において2次元角柱周りの流れに対してLESの2次元計算、3次元計算を比較し、3次元LESの結果が静止角柱に作用する．．．．．．．．．．．．．

ゴシック，10．5pt

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1)，2)　風工大学工学部建築学科　教授、助教授　（〒106-0032　港区六本木1－0）

3)　環境大学工学部土木工学科　大学院生　（〒100-0005　千代田区丸ノ内3－3－1）

1ページ目最終行

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参考文献

最終ページ結び

1) Bearman, P.W. and Obasaju, E.D.: An Experimental Study of Pressure Fluctuations on Fixed and Oscillating Square-section Cylinders, *J. Fluid Mech.*, vol.119, pp.297-321, 1982

2) Hirt, C.W. et al.: An Arbitrary Lagrangian-Eulerian Computing Method for All Flow Speeds, *J. Comp. Phys.*, 14, pp.227-253, 1974

3) 環境良子，構造剛，風工学，2次元角柱周辺の乱流数値解析（その2），日本建築学会大会学術講演梗概集，pp.209-210, 1991

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LARGE EDDY SIMULATION OF UNSTEADY PRESSURE FIELD ACTING ON OSCILLATING PRISM

14 pt

9 lines

Please use the Times New Roman font with a 10.5 pt font size, unless otherwise specified.

Manabu KAZEKO(1), Tsuyoshi KOZO(2) and Yoshiko KANKYO(3)

3 lines

10 words × 12 lines abstract

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Key Words: LES, Oscillating prism, Unsteady pressure field

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1. INTRODUCTION

Distributions of the fluctuating surface pressure and the wind forces acting on bluff-shaped bodies are of great practical interest in the field of structural . . . .

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(1), (2) Professor, Associate Professor, Dept. Architecture Kazeko University, 1-0 Roppongi, Minato-ku, Tokyo　106-0032

(3) Graduate Student, Dept. Civil Engineering, Kankyo University, 3-3-1 Marunouchi, Chiyoda-ku, Tokyo　100-0005

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REFERENCES

1) Bearman, P.W. and Obasaju, E.D.: An Experimental Study of Pressure Fluctuations on Fixed and Oscillating Square-section Cylinders, *J. Fluid Mech.*, vol.119, pp.297-321, 1982
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3) Kankyo, Y., Kozo, T. and Kazeko, M., Numerical Study on Air Flow around 2D Square Prism (Part 2), Summaries of Technical Papers of Annual Meeting Architectural Institute of Japan, pp.209-210、1991 (in Japanese)

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本文

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1), 2)　風工大学工学部建築学科　教授、助教授　（〒106-0032　港区六本木１－０）
3)　環境大学工学部土木工学科　大学院生　（〒100-0005　千代田区丸ノ内３－３－１）

論文の最後

参考文献

1) Bearman, P.W. and Obasaju, E.D.: An Experimental Study of Pressure Fluctuations on Fixed and Oscillating Square-section Cylinders, *J. Fluid Mech.*, vol.119, pp.297-321, 1982

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Text

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1) Bearman, P.W. and Obasaju, E.D.: An Experimental Study of Pressure Fluctuations on Fixed and Oscillating Square-section Cylinders, *J. Fluid Mech.*, vol.119, pp.297-321, 1982
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