



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

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ABSTRACT

of Large Eddy Sim comparison with exp	ressure fields around an oscillating square prism ar aulation (LES). The accuracy of the numerical reperimental data all data in terms of, 1) the phase angle between the difference acting on the side face, 2) the side face. scillating prism, Unsteady pressure field	a good agreement e displacement of the
1. はじめに 著者らは既報において2次元角 が静止角柱に作用する	a柱周りの流れに対してLESの2次元計算、3次元 本文	計算を比較し、3次元LESの結果

論文の最後

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	ABSTRACT
C	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
c	omparison with experimental data · · · · · · · · · · · · · · · · · ·
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C	with the experimental data in terms of, 1) the phase angle between the displacement of the scillating prism and the negative pressure acting on the side face, 2) the correlations of the pressures across the side face.
ŀ	Key Words: LES, Oscillating prism, Unsteady pressure field
1. INTRODUC	
	ns of the fluctuating surface pressure and the wind forces acting on bluff-shaped bodies are of great est in the field of structural
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