

THE QUADRATIC CORRELATION BETWEEN IN-LINE AND CROSS-FLOW,
VORTEX-INDUCED VIBRATION OF LONG FLEXIBLE CYLINDERS

by

Jen-Yi Jong

B.S., National Cheng-Kung University
(1978)

M.S., National Taiwan University
(1980)

Submitted in Partial Fulfillment
of the Requirements for the Degree of

Doctor of Philosophy

in

Ocean Engineering

at the

Massachusetts Institute of Technology
August 1984

C Massachusetts Institute of Technology 1984

Signature of Author

Jong Jen-Yi

Department of Ocean Engineering
August 17, 1984

Certified by

J Kim Vandiver

J. Kim Vandiver
Thesis Supervisor

Accepted by

Chairman, Department Committee