



## Flow-induced Vibration of Power and Process Plant Components: A Practical Workbook

By M.K. Au-Yang

John Wiley and Sons Ltd. Hardback. Book Condition: new. BRAND NEW, Flow-induced Vibration of Power and Process Plant Components: A Practical Workbook, M.K. Au-Yang, This volume is a valuable, single source of information on the most common flow-induced vibration problems in power and process plant components. Based on the author's own experience that most errors in engineering analysis come from confusions in the units, the author begins with a short chapter on units and dimensions. He then provides step-by-step examples in dual US and SI units, leading to the final objective of design analysis, problem solving, diagnosis and trouble shooting in the following areas: fundamentals of vibration; acoustics and structural dynamics; vibration of structures in quiescent fluids; vortex-induced vibration; turbulence-induced vibration; impact, fatigue and wear caused by flow-induced vibration; acoustically induced vibration; and signal analysis and diagnostic techniques. Emphasis is placed on the physics of the phenomenon and most of the work examples can be solved with pocket calculators.



**READ ONLINE**

[ 5.38 MB ]

### Reviews

*This is basically the greatest book i have got read through until now. It normally will not expense an excessive amount of. I am just delighted to let you know that here is the greatest book i have got go through within my individual existence and might be he finest book for at any time.*

-- **Precious McGlynn**

*Complete guideline for publication fans. I am quite late in start reading this one, but better then never. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- **Llewellyn Terry**