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| 1. Record Nr.           | UNINA9910453190703321  |
| Titolo                  | Flow-induced vibrations : classifications and lessons from practical experiences // editors, Shigehiko Kaneko [and seven others]   |
| Pubbl/distr/stampa      | London : , : Academic Press, , 2014  |
| ISBN                    | 0-08-101318-3<br>0-08-098352-9   |
| Edizione                | [Second edition.]  |
| Descrizione fisica      | 1 online resource (423 p.)   |
| Altri autori (Persone)  | KanekoS (Shigehiko)  |
| Disciplina              | 423  |
| Soggetti                | Machinery - Vibration<br>Machinery - Vibration - Mathematical models<br>Structural dynamics<br>Structural dynamics - Mathematical models<br>Fluid dynamics<br>Fluid dynamics - Mathematical models<br>Electronic books.  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Front Cover; Flow-Induced Vibrations: Classifications and Lessons from Practical Experiences; Copyright Page; Contents; Preface; 1 Introduction; 1.1 General overview; 1.1.1 History of FIV research; 1.1.2 Origin of this book; 1.2 Modeling approaches; 1.2.1 The importance of modeling; 1.2.2 Classification of FIV and modeling; 1.2.3 Modeling procedure; 1.2.3.1 Simplified treatment; 1.2.3.2 Detailed treatment; 1.2.4 Analytical approach; 1.2.5 Experimental approach; 1.2.5.1 Test facilities; 1.2.5.2 Similarity laws; 1.2.5.2.1 Structural model; 1.2.5.2.2 Fluid model<br>1.3 Fundamental mechanisms of FIV1.3.1 Self-induced oscillation mechanisms; 1.3.1.1 One-degree-of-freedom system; 1.3.1.2 Two-degrees-of-freedom system; 1.3.1.3 Multi-degrees-of-freedom system; 1.3.2 Forced vibration and added mass and damping; 1.3.2.1 Forced vibration system; 1.3.2.2 Added mass; 1.3.2.3 Fluid damping; References; 2 Vibration Induced by Cross-Flow; 2.1 Single circular cylinder; 2.1.1 Structures under evaluation; 2.1.2 Vibration mechanisms |

and historical review; 2.1.2.1 Vibration mechanisms; 2.1.2.1.1 Bending vibration of a circular cylindrical structure in steady flow  
2.1.2.1.2 Vibration of a circular cylinder in oscillating flow  
2.1.2.1.3 Ovaling vibrations of cylindrical shells in steady flow; 2.1.2.2 Historical background; 2.1.2.2.1 Bending vibrations of a circular cylinder in steady flow; 2.1.2.2.2 Vibration of a circular cylinder in oscillating flow; 2.1.2.2.3 Ovaling vibrations of cylindrical shells in steady flow; 2.1.3 Evaluation methods; 2.1.3.1 Bending vibrations of a circular cylinder in steady flow; 2.1.3.1.1 Vibration induced by single-phase flow; 2.1.3.1.2 Vibration induced by two-phase flow  
2.1.3.2 Vibration of a circular cylinder in oscillating flow  
2.1.3.3 Ovaling vibrations of cylindrical shells in steady flow; 2.1.4 Examples of component failures due to vortex-induced vibration; 2.2 Two circular cylinders in cross-flow; 2.2.1 Outline of structures of interest; 2.2.1.1 Examples; 2.2.1.2 Classification based on flow type; 2.2.1.3 Classification based on spatial configuration; 2.2.2 Historical background; 2.2.2.1 Excitation phenomena; 2.2.2.1.1 Vibration of cylinder pairs subjected to steady cross-flow; 2.2.2.1.2 Oscillatory-flow-induced vibration; 2.2.2.2 Research background  
2.2.2.2.1 Steady-flow-induced cylinder vibration  
2.2.2.2.2 Oscillatory flow; 2.2.2.2.3 Vibration of cylinder pairs in two-phase flow; 2.2.3 Evaluation methodology; 2.2.3.1 Experimental evaluation; 2.2.3.1.1 Vibration of cylinder pair in single-phase flow; 2.2.3.2 Theoretical modeling; 2.2.3.2.1 Wake interference mathematical model; 2.2.3.2.2 Fluid-structure coupled analysis; 2.2.3.2.3 Determination of instability boundary by unsteady fluid force models; 2.2.3.2.4 Quasi-steady theory; 2.2.4 Examples of practical problems; 2.3 Multiple circular cylinders; 2.3.1 Outline of structures considered  
2.3.2 Vibration evaluation history

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## Sommario/riassunto

In many plants, vibration and noise problems occur due to fluid flow, which can greatly disrupt smooth plant operations. These flow-related phenomena are called flow-induced vibration. This book explains how and why such vibrations happen and provides hints and tips on how to avoid them in future plant design. The world-leading author team doesn't assume prior knowledge of mathematical methods and provides the reader with information on the basics of modeling. The book includes several practical examples and thorough explanations of the structure, the evaluation method

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| 2. Record Nr.           | UNINA9910510589903321   |
| Titolo                  | Remapping travel narratives, 1000-1700 : to the East and back again /<br>/ edited by Montserrat Piera [[electronic resource]]   |
| Pubbl/distr/stampa      | Leeds : , : Arc Humanities Press, , 2019  |
| ISBN                    | 1-64189-949-2<br>1-942401-60-4  |
| Descrizione fisica      | 1 online resource (xiii, 275 pages) : digital, PDF file(s)  |
| Collana                 | Connected histories in the early modern world   |
| Disciplina              | 809.93355   |
| Soggetti                | Travelers' writings - History and criticism   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Title from publisher's bibliographic system (viewed on 05 Feb 2021).  |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Frontmatter -- CONTENTS -- LIST OF FIGURES -- LIST OF<br>CONTRIBUTORS -- ACKNOWLEDGEMENTS -- INTRODUCTION: TRAVEL<br>AS EPISTEME-AN INTRODUCTORY JOURNEY / Piera, Montserrat -- PART<br>I. TRANSFORMING THE RIHLA TRADITION: THE SEARCH FOR<br>KNOWLEDGE IN JEWISH, MUSLIM, AND CHRISTIAN TRAVELLERS --<br>Chapter 1. From Pious Journeys to the Critique of Sovereignty: Khaqani<br>Shirvani's Persianate Poetics of Pilgrimage / Gould, Rebecca -- Chapter<br>2. Observing Ziyara in Two Medieval Muslim Travel Accounts /<br>Sorrentino, Janet -- Chapter 3. Vulnerable Medieval Iberian Travellers:<br>Benjamin of Tudela's Sefer ha- Massa'ot, Pero Tafur's Andanças e<br>viajes, and Ahmad al- Wazzan's Libro de la Cosmogrophia et<br>Geographia de Africa / Piera, Montserrat -- PART II. IMAGINING THE<br>EAST: EGYPT, PERSIA, AND ISTANBUL IN MY MIND -- Chapter 4. "Tierras<br>de Egipto": Imagined Journeys to the East in the Early Vernacular<br>Literature of Medieval Iberia / Desing, Matthew V. -- Chapter 5. The<br>Petrification of Rostam: Thomas Herbert's Re- vision of Persia in A<br>Relation of Some Yeares Travaile / Mehdizadeh, Nedda -- Chapter 6.<br>Between Word and Image: Representations of Shi'ite Rituals in the<br>Safavid Empire from Early Modern European Travel Accounts /<br>Brancaforte, Elio -- Chapter 7. Visions and Transitions of a Pilgrimage<br>of Curiosity: Pietro Della Valle's Travel to Istanbul (1614-1615) /<br>Darnault, Sezim Sezer / Air, Aygül -- PART III. TO THE EAST AND<br>BACK: EXCHANGING OBJECTS, IDEAS, AND TEXTS -- Chapter 8. Gift- |

giving in the Carpini Expedition to Mongolia (1246- 1248 ce) / Duque, Adriano -- Chapter 9. The East- West Trajectory of Sephardic Sectarianism: From Ibn Daud to Spinoza / Kaplan, Gregory B. -- Chapter 10. Piety and Piracy: The Repatriation of the Arm of St. Francis Xavier / Ryan, Maria Del Pilar -- Chapter 11. The Other Woman: The Geography of Exclusion in The Knight of Malta (1618) / Dadabhoy, Ambereen -- Chapter 12. Experiential Knowledge and the Limits of Merchant Credit / Schleck, Julia -- SELECTED BIBLIOGRAPHY -- INDEX

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Sommario/riassunto

With a specific focus on travel narratives, this collection looks at how various Islamic and eastern cultural threads weaved themselves, through travel and trading networks, into Western European/Christian visual culture and discourse and, ultimately, into the artistic explosion which has been labeled the 'Renaissance'. Scholars from across humanities disciplines examine Islamic, Jewish, Spanish, Italian, and English works from a truly comparative and non-parochial perspective, to explore the transfer through travel of cultural and religious values and artistic and scientific practices, from the eleventh to the seventeenth centuries.

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