1. Record Nr. UNINA9910954157403321

Autore	Muller Gereon <1964->
Titolo	Constraints on displacement : a phase-based approach / / Gereon Muller
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : John Benjamins Pub. Co., 2011
ISBN	9786613314703 9781283314701 1283314703 9789027284082 9027284083
Edizione	[1st ed.]
Descrizione fisica	1 online resource (350 p.)
Collana	Language faculty and beyond
Disciplina	415
Soggetti	Grammar, Comparative and general - Syntax Principles and parameters (Linguistics) Generative grammar
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	Constraints on Displacement; Editorial page; Title page; LCC data; Table of contents; Introduction; 1.Locality constraints; 2.(G)MLC and CED in minimalist syntax; 3.On deriving (G)MLC effects from the PIC; 4. On deriving CED effects from the PIC; 5.Operator island effects; 6. Movement from verb-second clauses; 7.Island repair by ellipsis; Bibliography; Index
Sommario/riassunto	This monograph sets out to derive the effects of standard constraints on displacement like the Minimal Link Condition (MLC) and the Condition on Extraction Domain (CED) from more basic principles in a minimalist approach. Assuming that movement via phase edges is possible only in the presence of edge features on phase heads, simple restrictions can be introduced on when such edge features can be inserted derivationally. The resulting system is shown to correctly predict MLC/CED effects (including certain exceptions, like intervention without c-command and melting). In addition, it derives oper

2. Record Nr. UNINA9910983487803321

Autore	Xu Qian
Titolo	Application and Extension of Numerical Methods in Heating Pipeline / / by Qian Xu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819611201 9819611202
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (280 pages)
Disciplina	620.1064
Soggetti	Fluid mechanics Engineering mathematics Engineering - Data processing Mechanics Engineering Fluid Dynamics Mathematical and Computational Engineering Applications Classical Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	District heating -- The basic characteristics of long-distance pipeline networks -- Basic Theory of Fluid Solid Thermal Coupling -- Heat loss and economic evaluation theory of directly buried insulated pipeline system -- Basic theory of pipeline elastic-plastic -- Effects of the temperature and pressure loads coupled on structure stress of “L”-type large-diameter buried pipe network -- Effects of end to side displacement load on structure stress and deformation of “L”-type large-iameter buried pipe network -- Analysis of fluid-solid-thermal performance of L-shaped pipeline system -- Coupled validity analysis of solid-heat multi-field model for straight tube flow -- Influence of key structural parameters on total heat loss and heat transfer between tubes -- Dynamic response of L-shaped oil pipeline under end-side displacement -- Dynamic response of natural gas pipeline under moving loads -- Hazardous area prediction for natural gas pipelines under falling rocks -- Study on the Plastic Region of Natural Gas Pipeline under Ground Overload -- Dynamic Response of Hydrogen

Transportation Pipeline under the Action of Oblique Reverse aults -- Assessment of the effect of blood pressure on aortic rupture risk based on two-way fluid-structure coupling -- Quantifying the risk of aortic stenosis complications based on bi-directional thermo-fluid-solid coupling.

Sommario/riassunto

This book is a summary of the author's pioneering work on the theory of heating pipelines and its application expansion over the years, trying to establish a complete logical system from the basic theory of pipelines to the application of heating pipelines to the innovation and expansion of large-diameter energy transmission pipelines. These esoteric fundamental theories are linked to practical applications, and numerical simulations are used to help readers understand the problems faced by pipelines in engineering practice. The book consists of four chapters, the first chapter describes the basic concepts of district heating system, related standards, development history, facing problems and future prospects, while for the basic characteristics of district heating pipe network installation and laying methods made an introduction; followed by the second chapter summarizes and organizes the pipeline safety research of fluid-solid heat, elastic-plasticity and other basic theories, as well as heating pipeline thermal insulation system heat loss and the economic evaluation of theory and so on. Based on the basic theory of pipeline, the third and fourth chapters introduce several typical pipeline application cases in detail, and each case includes modelling, solving, and result analysis, which can provide readers with technical references and idea guidelines in the field of pipeline research. The third chapter of the different structures of the heating pipeline from the safety and economic aspects of a detailed numerical study; the fourth chapter in the heating pipeline on the basis of energy transportation pipeline, transportation medium from the original hot water, hot steam to the oil and gas, specifically introduced various types of large-diameter energy transportation pipeline under the action of different loads of the dynamic response characteristics. It has important theoretical significance for enriching and developing the basic theory of pipeline and the expansion of all kinds of pipeline applications, and at the same time, it provides technical guidance for the safe, stable, economic and efficient operation of all kinds of long-distance pipelines, such as heating pipelines and energy transmission and transportation pipelines. It helps readers to systematically and comprehensively understand the basic theories of elasticity and plasticity, fluid-solid-thermal coupling, and economic evaluation of pipelines, and at the same time provides readers with new research ideas and technical means from the perspective of scientific research.