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Descrizione fisica	1 online resource (xiii, 136 pages) : illustrations (some color)
Collana	Special report / Marine Board, Transportation Research Board, National Research Council ; ; 259
Disciplina	623.8
Soggetti	Tankers - Design and construction - Evaluation - Methodology Tankers - Accidents - Environmental aspects Petroleum - Transportation - Safety measures Oil spills - Data processing
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.
Nota di contenuto	""PREFACE""; ""ACRONYMS AND GLOSSARY""; ""CONTENTS""; ""EXECUTIVE SUMMARY""; ""1 INTRODUCTION""; ""2 ASSESSMENT OF PREVIOUS EVALUATION METHODS, PROPOSALS FOR ALTERNATIVE DESIGNS, AND HISTORICAL DATABASES""; ""3 DESCRIPTION OF THE PROPOSED METHODOLOGY""; ""4 APPLICATION OF THE METHODOLOGY""; ""5 CONCLUSIONS AND RECOMMENDATIONS""; ""APPENDIX A: PRESENTATIONS AT COMMITTEE MEETINGS""; ""APPENDIX B: THE COAST GUARD AUTHORIZATION ACT OF 1998""; ""APPENDIX C: SUMMARY OF IMO 13F GUIDELINES""; ""APPENDIX D: STRUCTURAL DESIGNS FOR NEW DOUBLE- HULL TANKERS""; ""STUDY COMMITTEE BIOGRAPHICAL INFORMATION""
Sommario/riassunto	Describes a modeling process for evaluating alternative designs. This work describes the process that encompasses the structural deformations from collisions and grounding and the environmental consequences of spills of different sizes, and uses a risk-based approach for comparing designs.