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| Altri autori (Persone)  | MotroRene <1946->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Soggetti                | Structural analysis (Engineering)<br>Structural design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Nota di contenuto       | <p>CONTENTS; Preface; 1. The First 13 Years of Structural Morphology Group - A Personal View T. Wester; 1. The Background; 2. The Beginning; 3. Group Activities; 3.1.1. SMG1 - Montpellier Seminar 1992; 3.1.2. SMG2 - Stuttgart Seminar 1994; 3.1.3. SMG 3 - Nottingham Colloquium 1997; 3.1.4. SMG 4 - Delft Colloquium 2000; 3.1.5. SMG 5 - Montpellier Seminar (workshop) 2004; 3.2. SMG Newsletter; 3.3. SMG Activities at IASS Conferences e.g. Sessions, Meetings; 3.4. The SMG Seminar Proceedings (see also chapter 3.1); 4. Further Recent SMG-Relevant Reading; 5. Tsuboi Awards; 6. Research and End Notes</p> <p>Acknowledgements2. An Approach to Structural Morphology R. Motro; Introduction; 1. Structural Morphology; 1.1. Structure and System; 1.1.1. Structure; 1.1.2. System; 1.1.3. Structure and System; 1.1.4. Conclusion; 1.2. Form and Structure; 1.3. The Design Process; 1.3.1. Structures and Constructions; 1.3.2. Design of Structures; 1.3.3. Modelling the Design Process; 1.4. Structural Morphology; 2. Landmarks; 2.1. Stone Cutting; 2.2. Geometry; 2.3. Bionics; 2.4.</p> |

Equilibrium Forms; 3. Form and Meaning; 3.1. Structural Morphology and Art; 3.2. Order and Harmony; 3.3. Form and Meaning; Conclusion References

3. The Structural Morphology of Curved Diaphragms - Or the Structural Behaviour of Floral Polyhedra T. Wester; 1. Basic Stability in 3-Dimensional Space; 2. The Genus of Polyhedra; 3. Plane Faceted Polyhedra - Genus Zero; 4. Plane Faceted Polyhedra - Genus above Zero; 5. Infinite Polyhedra; 6. Floral Polyhedra; 7. Conclusion; References and Notes

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7.4. Strut-Cable Systems (DLGs)

## Sommario/riassunto

The structural morphology working group of the International Association for Shell and Spatial Structures, founded in 1991, has helped to launch several international seminars, newsletters and specific sessions of international conferences devoted to structural morphology. This book contains papers that have been selected either for their fundamental contribution to structural morphology or for their actual pertinence in the field. Polyhedral geometry, double-curved surfaces, biological structures, foldable systems, form-finding techniques, and free form design are some of the topics included