Preface

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In the last issue Eduard Zehnder told the story of the beginnings of symplectic topology in Bochum in the early eighties. This review is now followed by a longer review article by Alberto Abbondandolo and Felix Schlenk about Floer homologies. They arise as an infinite-dimensional analogue of (finite-dimensional) Morse homology. Many Floer homologies have been constructed, and they have many applications to dynamics and geometry, such as the Arnol'd's conjectures on the number of fixed points of Hamiltonian diffeomorphisms. This excellent text is written for non-specialists, and the focus is on ideas rather than generality.

Finally, Bernd Kawohl reviews the book “Shape Variation and Optimization, A Geometrical Analysis” by Antoine Henrot and Michel Pierre.

We hope that you enjoy reading this issue.

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