

Lepage forms: From Lepage's idea to the variational sequence

Michal Lenc and Jana Musilová
Masaryk University

The Lepage form, or more generally a Lepagean form is one of the key concepts in modern formulation of the calculus of variations. Our contribution is an attempt to present a brief review of the development of this concept from its first indications by Lepage up to its contemporary state, naturally resulting from the variational sequence. The important contribution of the work of Demeter Krupka to the understanding of Lepagean forms is emphasized as well.