



# **Fundamental Contributions to the Continuum Theory of Evolving Phase Interfaces in Solids: A Collection of Reprints of 14 Seminal Papers**

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A traditional way to honor distinguished scientists is to combine collections of papers solicited from friendly colleagues into dedicatory volumes. To honor our friend and colleague Mort Gurtin on the occasion of his sixty-fifth birthday, we followed a surer path to produce a work of intrinsic and lasting scientific value: We collected papers that we deemed seminal in the field of evolving phase interfaces in solids, a field to which Mort Gurtin himself has made fundamental contributions. Our failure for lack of space to include in this volume every paper of major significance is mitigated by the masterful introduction prepared by Eliot Fried, which assesses the contributions of numerous works. We hope that this collection will prove useful and stimulating to both researchers and students in this exciting field.

August 1998  
John M. Ball  
David Kinderlehrer  
Paulo Podio-Guidugli  
Marshall Slemrod

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