Continuum Mechanics and Thermodynamics
Editor-in-Chief: A. Öchsner

- Explores new ideas in continuum and quasi-continuum modeling of systems with a large number of degrees of freedom and sufficient complexity to require thermodynamic closure
- Emphasizes papers seeking to bridge the gap between discrete and continuum approaches as well as between micro and macro scales
- Focuses on simultaneous descriptions of complex systems at several disparate scales
- Explains new experimental findings

Continuum Mechanics and Thermodynamics is an interdisciplinary journal exploring new ideas in continuum and quasi-continuum modeling of systems with a large number of degrees of freedom and sufficient complexity to require thermodynamic closure.

Major emphasis is placed on papers seeking to bridge the gap between discrete and continuum approaches as well as micro and macro scales, by means of homogenization, statistical averaging, and other mathematical tools aimed at the judicial elimination of small time and length scales. In particular, the journal focuses on simultaneous descriptions of complex systems at several disparate scales. Papers presenting and explaining new experimental findings are highly encouraged. Lastly, the journal publishes numerical studies that build our understanding of the physical nature of phenomena.

In addition to research papers, the journal features invited review articles, short communications, and "comment-and-reply" on published papers.

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