RECENT ADVANCES IN PARTITIONING METHOD AND INTERFACE MECHANICS

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MINISYMPOSIUM

Despite the advent of numerous well-established algebraic techniques, infusion of the variational approach into the computational mechanics is still under way. Among those, the partitioning method and interface mechanics have played a pivotal role. They have enabled the largely distributed parallelism, incorporation of different discretization and physics, component-by-component analysis and so on.

Topics of this minisymposium will include, but not limited to, the advances in the partitioning method and interface mechanics for the variety field; parallel computing, transient analysis, reduced-order modelling, contact-impact, inverse problems, damage detection, optimization, and multi-physics analysis. This minisymposium also welcomes the infusion with data-driven method. The mini-symposium will bring the researchers together working on both fundamental and applied aspects of the computational mechanics to provide a forum for discussion, interaction, and assessment of the techniques.