

## **Implicit Compressible Immersed Continuum Method**

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### **Summary**

In this paper, we provide an overview of the immersed boundary/continuum methods and their finite element formulations, explicit *vs.* implicit and incompressible *vs.* compressible issues. In particular, we emphasize the need for the implicit compressible immersed continuum method which is essential in handling nearly compressible fluid-solid systems.

