DEEP AND MACHINE LEARNING METHODOLOGY IN THE CONTEXT OF APPLICATION TO COMPUTATIONAL MECHANICS

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MINISYMPOSIUM

Application of artificial intelligence technology in the field of computational mechanics has been established for a long time. However, many examples of applying deep learning technology currently dominating the world to computational mechanics have not been reported yet. The objective of this mini-symposium is to discuss how to apply artificial intelligence such as deep and machine learning technologies to computational mechanics. We warmly welcome anything related to computational mechanics or artificial intelligence toward uniting both technologies into significant and beneficial applications. Particularly by using deep learning, it is necessary to discuss examples that make it possible to simulate objects that were difficult to simulate in the past, or to improve the accuracy of simulations that have been done in the past.