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Improving safety barriers to reduce road deaths and serious injuries

and the eXtended Finite Element Method (XFEM). The course will also provide an in-depth investigation of advanced application of finite element analysis and interfacing user-developed material ...

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for elliptic problems enables us to construct immersed finite ...

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Condition Enforcement (MDG-ICE), the ...

Computational Physics & Fluid Dynamics

functionality and so forth—and the algorithm produces optimal design outcomes for a predetermined manufacturing method, typically 3D printing. In addition to generating truly novel and optimal ...

The boundless possibilities of generative design

The project is aimed at advancing the mathematical and numerical analysis of robust and effective numerical methods for those nonlocal models with a finite range of interactions ... for nonlocal ...

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