Gabi Luttwak

Consultant in Code Development, Analytical Models, Numerical Simulations and Applications

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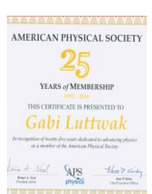
Modeling problems arising in terminal ballistics and ordnance applications. Developing and applying two and three-dimensional codes for compressible multi-material hydrodynamic, elastic plastic and reactive flows. Authored and co-authored more than 30 papers (including conference papers). The subjects include applications (high speed jet formation and penetration, behind the armor debris, long rod penetration including oblique impact and yaw) and numerical techniques for code development, such as Lagrangian, ALE, Multi-Material Eulerian, multi-material ALE, Rezoning, Multi-Material interfaces, Virtual memory technique, Staggered Mesh Godunov, VIP slope limiter for vectors.

The applications consist of carrying out numerical simulations and formulating analytical models to reproduce and predict the results of experiments. Has also been interested and involved in related techniques like the graphics for pre and post processing and parallel processing. Familiar both with Unix (including Linux) and Windows environments.



2016

Curriculum vitae ***papers*** ***presentations***

Dynamic 1-2-3 D ***Useful Links***

2015

2014