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OpenFOAM wave modelling optimization with heterogeneous systems application porting.

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In the report application of porting optimization on heteregeneous systems in the field of wave propagation modelling is discussed. Also, reviews of organization of computing in frame of OpenFOAM package and estimations of effectiveness of application porting on heteregeneous systems are given for the wave propagation problem in fluid. Evaluations of the difficulty and time required for implementations of these approaches in relation to performance improvements are considered.

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