

A Framework for Application Performance Prediction to Enable Scalability Understanding

Title: [A Framework for Application Performance Prediction to Enable Scalability Understanding](#)

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Abstract: This paper presents a performance modeling methodology that is faster than traditional cycle-accurate simulation, more sophisticated than performance estimation based on system peak-performance metrics, and is shown to be effective on a class of High Performance Computing PETSc kernels. The method yields insight into the factors that affect performance and scalability on parallel computers.

Reference: @inproceedings{carrington02frame, Author = {L.Carrington, N.Wolter, A.Snavely}, Booktitle = {Scaling to New Heights Workshop}, Title = {A Framework for Application Performance Prediction to Enable Scalability Understanding}, Year = {2002}}