SORS: The development of the application software for PEZY SC2 many-core processors

Objectives

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Abstract: We have developed application software for PEZY SC2 many core processors. PEZY SC2 are the brand-new many-core processors (2048 cores). Shoubu system B with 672 SC2 processors was awarded world number 1 in Green top 100 four successive periods (half years). We are developing the codes of molecular dynamics, smoothed particle hydrodynamics, genome analysis, neural network simulation simulations. I will present the performance of the developed codes and discuss the perspective of the high performance computing with many core processors in near future.

Short bio: Dr. Ebisuzaki is well known Scientist in Astronautical science and Computer science (especially special purpose computer in multibody simulation).

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Speakers

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