

## Development of STP simulation codes for Peta-scale computing

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This paper describes current status and future direction/prospect of simulation codes for Solar-Terrestrial and Planetary (STP) science. Owing to the rapid development of computer technology, we will have Peta-scale computer in a few years from now. Peta-scale computing would be more common and important in ten years. Discussion on development of STP simulation codes for Peta-scale computing in the future will be given.