

New methodology of planetary science with space telescope onboard small satellite

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Direct exploration to planet in the solar system would be the most important and most effective way to investigate a certain planet in detail. However, the space telescope onboard a small satellite in earth orbit with a weight of few to several hundreds kg will greatly make the observation by direct exploration fruitful by the complementary aspects, namely, continuous monitoring in a long period with good stability. Strategy of TOPS combined with ground-based and balloon-born telescopes also in developments would be a key to get planetary science forward. In this presentation, we would show the recent progress in development of fundamental techniques and framework including international collaboration.