

ポスター発表

算数を取り入れた小学校での授業例
**Adopting Math Activities into Astronomical Presentations at
Elementary Schools**

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Abstract

Due to the “No Child Left Behind” policy in the United States, education at elementary schools is strongly focused on reading, writing, and math, and science is not a part of the required school curriculum in Hawaii's public schools today. On the other hand, after the IAU general assembly in August 2006, people are interested in what was going on Pluto, that is classified as a dwarf planet. Science fundamentally has a close relation with math, and math activities are essential to understand science effectively. I developed math activities to calculate relative sizes of planets, dwarf planets, and small solar system bodies, and to make bar graphs of the relative sizes. The appropriate grade of the activities is grade 3 and up (without division) and grade 5 and up (including division). I reported my trials at math GT (Gifted and Talented) classes of grade 3, 4, and 5 at a public elementary school in Hilo, Hawaii.

日本語での紹介は、「天文教育」に掲載済みです。詳しくは、

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“Why Pluto is no longer a planet ”」

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