Presentarium: a useful slide-converting tool for digital planetariums

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Abstract

The spread of digital planetariums is limited nowadays, although their use could be extended. These systems can be used not only for astronomical purposes, but also for all kinds of presentations. However, the normal images appear distorted on the planetarium dome, thus the lecturers must have a high-level computer literacy if they would like to use the planetarium for their presentations. We developed the so-called Presentarium software, which can convert simple, plain presentation slides into spherical ones. Projecting the converted slides onto the hemispherical dome of a planetarium, the audience has an impression as if the dome were plain. Therefore, this conversion tool allows the lecturer to project also plain slides in planetarium without distortion. With this tool the advantages of plain and spherical projecting surfaces can be easily combined, and thus the usability of digital planetariums can be enhanced. In our talk we present our slide-converting software.

