

Rhapsody in Light & Blue

Length: 1' 34"
Producer: CG Research Group of Universities in Hiroshima
(Hiroshima Prefectural University,
Hiroshima University and Fukuyama University)
Director: Eihachiro Nakamae and Hideo Yamashita
Music: Haruhiko Iriyama
By courtesy of Yamagiwa Laboratory Inc.
The Chugoku Electric Power Co., Inc.
SANEI Co., Ltd.

Contact: Hideo Yamashita
Address: Faculty of Engineering
Hiroshima University
1-4-1 kagamiyama
Higashi-hiroshima 724
Japan
Phone: +81-824-24-7665
Fax: +81-824-22-7195
E-mail: yama@eml.hiroshima-u.ac.jp

Format: Betacam SP videotape (NTSC)
Date produced: April, 1993
Sound: Stereo
Hardware: Silicon Graphics IRIS, NEC EWS
Software: RAYSKY (In-house software)

Summary: This animation simulates the lighting effects in an indoor pool lit by multiple light sources both above and under the water.

Technical notes: To render photo-realistic images including water region, many latest techniques based on optical phenomena are employed: Reflection and refraction of light on water surfaces, scattering and absorption of light in water, and shadows cast on water surfaces are taken into account.

Credit: CG Research Group of Universities in Hiroshima