



Contribution ID: 29

Type: **Poster Presentation**

Effective temperature of cryogenic liquid in arbitrary dimension

Compared to uniform temperature distribution, thermal radiation properties of nonuniform temperature distribution are different. The effective temperature of cryogenic liquid can be defined for the nonuniform temperature distribution. The effective temperature is defined in one-dimension, two-dimension and three-dimension. The properties of the effective temperature will be presented.

Author: KIM, Heetae (Institute for Basic Science)

Co-authors: Dr PARK, Gunn-Tae (ibs); Dr CHA, Hyuk Jin (ibs); JAEHEE, Shin (I); Dr KIM, Woo Kang (ibs)

Presenter: KIM, Heetae (Institute for Basic Science)

Track Classification: CEC-12 - Fluid Mechanics, Heat Transfer, and Cryogen Properties