Quantization of Symmetric Kähler Manifolds

Kentaro Hara

Department of Mathematics and Science Education, Tokyo University of Science, Japan
E-mail: 29014709@alumni.tus.ac.jp

ABSTRACT

A deformation quantization with separation of variables is one of well-known quantizations. Explicit expressions of the quantization for $\mathbb{C}P^N$ and $\mathbb{C}H^N$ were known. We derive algebraic recurrence relations to obtain a deformation quantization with separation of variables for a locally symmetric Kähler manifold.