

## On CR-Structure and F-Structure Satisfying Polynomial Equation

**Authors :** Manisha Kankarej

**Abstract :** The purpose of this paper is to show a relation between CR structure and F-structure satisfying polynomial equation. In this paper, we have checked the significance of CR structure and F-structure on Integrability conditions and Nijenhuis tensor. It was proved that all the properties of Integrability conditions and Nijenhuis tensor are satisfied by CR structures and F-structure satisfying polynomial equation.

**Keywords :** CR-submanifolds, CR-structure, integrability condition, Nijenhuis tensor

**Conference Title :** ICGWGR 2017 : International Conference on Gravitational Waves and General Relativity

**Conference Location :** Boston, United States

**Conference Dates :** April 24-25, 2017