

## **A NEW APPROACH TO ORDERING COMPLEX NUMBERS**

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### **Abstract**

In the present paper a new technique to ordering complex numbers have been discussed by applying the concepts of ordering real numbers on the real number line. The hidden property of ordering complex numbers in the extended complex plane and in its stereographic projection has been explained with its geometrical meaning in a little attempt. To order the complex numbers, a property named as D-law of trichotomy has been introduced with a very new concept of equi-radii complex numbers. This property has been derived from the law of trichotomy defined on the real numbers by making use of modulus of complex numbers.