

## **FEKETE - SZEGO INEQUALITY FOR SOME SUB-CLASSES OF STARLIKE FUNCTIONS WITH RESPECT TO SYMMETRIC POINTS**

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### **Abstract**

The aim of the present paper is to introduce some new sub-classes of starlike functions with respect to Symmetric Points of complex order and obtain the Fekete - Szego inequality for the functions in these classes. Certain applications of our results for the functions, defined through convolution, are also obtained. The Fekete - Szego inequality for the inverse function of  $f$  is also obtained.

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**Key Words:** Starlike functions with respect to Symmetric points, Subordination, Fekete-Szego inequality, Convolution.

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