

Upper Bounds of Some Special Zeros of Functions in the Selberg Class

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ABSTRACT

In this paper, we prove some conditional results about the order of zero at central point $s = 1/2$ of function in a certain subclass of the extended Selberg class. Then, we give an upper bound for the height of the first zero with positive imaginary part of function in this class. We apply our results to automorphic L -functions.