

**ESTIMATES OF A CERTAIN SUM INVOLVING  
COEFFICIENTS OF CUSP FORMS IN WEIGHT AND LEVEL  
ASPECTS**

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We consider the sum of coefficients which are in the Dirichlet series expansion of symmetric square  $L$ -functions. I will talk about two estimates of this sum in weight and level aspect. These imply two estimates of the sum of the  $n^2$ -th Fourier coefficients of cusp forms.