## On Cesaro Means and Bernstein Inequality

Ali Guven and Vakhtang Kokilashvili

## Abstract

The boundedness problem of Cesaro means of Fourier trigonometric series and Fourier integrals were investigated in weighted  $L_p$  spaces in two-weighted setting. These results were applied to obtain Bernstein inequalities for trigonometric polynomials and entire functions of finite order.