

**Duke, W.; Imamoglu, Ö.; Tóth, Á.**

**Regularized inner products of modular functions.** (English) Zbl 1418.11069

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Summary: In this note, we give an explicit basis for the harmonic weak forms of weight two. We also show that their holomorphic coefficients can be given in terms of regularized inner products of weight zero weakly holomorphic forms.

**MSC:**

**11F12** Automorphic forms, one variable

**11F30** Fourier coefficients of automorphic forms

**11F41** Automorphic forms on  $GL(2)$ ; Hilbert and Hilbert-Siegel modular groups and their modular and automorphic forms; Hilbert modular surfaces

Cited in **1** Review  
Cited in **5** Documents

**Keywords:**

modular functions; Maass forms; regularized inner products; harmonic forms; Fourier coefficients

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