

On measurability and decomposition of functions with a finite number of negative squares. Two questions of Heinz Langer

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We consider some problems concerning measurability and decomposition of positive definite functions and of functions with a finite number of negative squares. The decompositions are of the form $f_c + f_0$ where f_c has a finite number of negative squares and is continuous while f_0 is positive definite, not continuous and in some sense near to zero. Our attention was drawn to these problems by Heinz Langer.