

Automorphic Functions



In mathematics, an automorphic function is a function on a space that is invariant under the action of some group, in other words a function on the quotient space. Automorphic functions are generalizations of trigonometric functions and elliptic Shimura, G. Introduction to the Arithmetic Theory of Automorphic Functions. A meromorphic function is said to be automorphic with respect to a group of maps if the action of the maps leaves the value of the function unchanged: letting Γ denote the group, a meromorphic function $f(z)$ is automorphic if $f(z) = f(Tz)$ for all $T \in \Gamma$. Automorphic function. A meromorphic function of several complex variables that is invariant under some discrete group of transformations of analytic transformations of a given complex manifold: The quotient space can be given a complex structure and automorphic functions are then meromorphic functions on. Lester Ford's book was the first treatise in English on automorphic functions. At the time of its publication (), it was welcomed for its elegant. Buy Automorphic Functions (AMS Chelsea Publishing) on tmdcelebritynews.com ? FREE SHIPPING on qualified orders. Automorphic Functions and Number Theory. Automorphic functions on the upper half plane, especially modular functions. Shimura, Goro. Pages Preview. An introduction to the theory of automorphic functions. by Ford, Lester R., Publication date Topics Automorphic functions. Publisher London G. Poincaré's work in the theory of automorphic functions is a beautiful example of how one simple idea could unite and clarify results in different areas of. Abstract: We present a new method of estimating trilinear period for automorphic representations of $SL(2, \mathbb{R})$. The method is based on the. For a Kleinian group (of the first kind), no automorphic function/form has been studied before. In this note, their motivation is presented with a. well as transfer operator techniques to develop period-like functions for - automorphic cusp forms. This leads to several natural conjectures. This gives an affirmative answer to a key and fundamental problem for weighted pseudo almost automorphic functions, and fills a gap in the. Lester Ford's book was the first treatise in English on automorphic functions. At the time of its publication (), it was welcomed for its elegant treatment of. ON THE THEORY OF AUTOMORPHIC FUNCTIONS. BY GORO SHIMURA. (Received December 29,). We know that the elliptic modular function $j(z)$ gives. Bochner S. UNIFORM CONVERGENCE OF MONOTONE SEQUENCES OF FUNCTIONS. Proc Natl Acad Sci U S A. Apr;47(4) [PMC free article]. The classical Jacobi theta function, on the other hand, satisfies an exact functional equation, and extends to an automorphic function on the. The natural extension of these results was effected in by the discovery of automorphic functions; whatever be the genus of the curve (1), u and z can be.

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