



Periodic Conjugate Nets: A Dissertation Presented to the Faculty of Princeton University in Candidacy for the Degree of Doctor of Philosophy (Classic Reprint) (Paperback)

By Edward S Hammond

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Periodic Conjugate Nets: A Dissertation Presented to the Faculty of Princeton University in Candidacy for the Degree of Doctor of Philosophy In section 2, we impose upon the sequence N_r the condition that it shall be periodic; that is, that a certain Laplace transform N_p of N shall coincide with N itself. After transformation of parameters it is shown that the identity of N_p and N involves the identity of N_{p-1} and N_1 and in general, of N_{p-k} and N_k , $k=0, 1, 2, \dots, p$. Necessary conditions on the coefficients of the point equation of N are derived and it is shown by discussion of the completely integrable systems of partial differential equations involved that these conditions are also sufficient. It is also shown that if an equation of Laplace of form (1) is the point equation of one periodic net, it is the point equation of an infinity of others of the same period. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more...

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