

## INEQUALITIES FOR THE JACOBIAN ELLIPTIC FUNCTIONS WITH COMPLEX MODULUS

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*Abstract.* Despite the fact that there is a huge amount on papers and books devoted to the theory of Jacobian elliptic functions, very little is known when the modulus  $k$  of these functions lies outside the unit interval  $[0, 1]$ . In this note, we prove some simple inequalities for the absolute value of Jacobian elliptic functions with complex modulus.

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