

By Apr 20, please

MATHEMATICAL ASSOCIATION OF AMERICA, INC.

ABSTRACT OF PAPER

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Title of Paper: Integration of  $\cot x \sin$

$2mx \ln(\sin x / \sin a) dx$

Time.....minutes.

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(2)

## ABSTRACT

The abstract should be in the form of a brief and concise statement of the main results or points of view of the paper, without demonstrations and with a minimum of formulae. It should not exceed 100 words and should be compressed if possible into a single paragraph. It should be written in the third person. The abstract should be typewritten and in a form suitable for immediate publication in the MONTHLY.

Integration of  $\cot x \sin 2mx \ln(\sin x/\sin a)dx$

by Dr. Don Kirkham, Iowa State Univ. of Sci. and Tech., Ames, Iowa

For  $m = 1, 2, \dots$  the title integral and some related ones are evaluated.

The results are obtained in terms of Psi functions.