Title of Paper: Integration of \( \cot x \cdot \sin \) 

\[ 2\pi \ln(\sin x /\sin a) \, dx \]

Time: \( \ldots \) minutes.

Name of Author: Don Kirkham

Institution: Iowa State University

Address: Ames, Iowa

Member of Mathematical Association of America: Yes [ ] No [ ]

Mail To:
Earle L. Campbell
Director
Des Moines II, Iowa
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.

\[
\text{Integration of } \cot x \sin 2mx \ln(\sin x/\sin a)dx
\]

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

For \( m = 1, 2, \ldots \) the title integral and some related ones are evaluated.

The results are obtained in terms of Psi functions.