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SOME EXISTENCE THEOREMS IN THE CALCULUS OF VARIATIONS

V. THE ISOPERIMETRIC PROBLEM IN PARAMETRIC FORM*

BY

E. J. McSHANE

1. **First existence theorem.** We continue the notation of preceding papers with the trifling change that z will denote (z^1, \dots, z^q) instead of (z^0, \dots, z^q) as heretofore, and a similar change for z' . The class of all rectifiable curves

Annals of Mathematics

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ANNALS OF MATHEMATICS
Vol. 40, No. 2, April, 1939

A TYPE OF ALGEBRAIC CLOSURE

BY MARSHALL HALL

(Received July 21, 1938)

1. Introduction

In a previous paper¹ the author was led to the following question: Given the complete set of solutions $\{X\} = [x_1, x_2, \dots, x_n]$ of linear equations

$$(1.1) \quad L_i = a_1^{(i)}x_1 + \dots + a_n^{(i)}x_n = 0, \quad i = 1, \dots, s,$$

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ERRATA.

Note de M. J. FAVARD, *Sur l'interpolation*

Page 103, 7^e ligne, *au lieu de* représente espérance, *lire* représente l'espérance;
note (2) du bas de la page, *au lieu de* $P_x''(n)$, *lire* $P_x''(x)$.

Page 106, 9^e ligne, *au lieu de* dans une mesure, *lire* dans une certaine mesure.

Page 112, 12^e ligne, *au lieu de* 1^o La fonction, *lire* 1^o Soit; 13^e ligne ajouter un
point après le module; 14^e ligne, *au lieu de* lorsque, *lire* Lorsque.

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Duality for modules over finite rings and applications to coding theory. (English. English summary)

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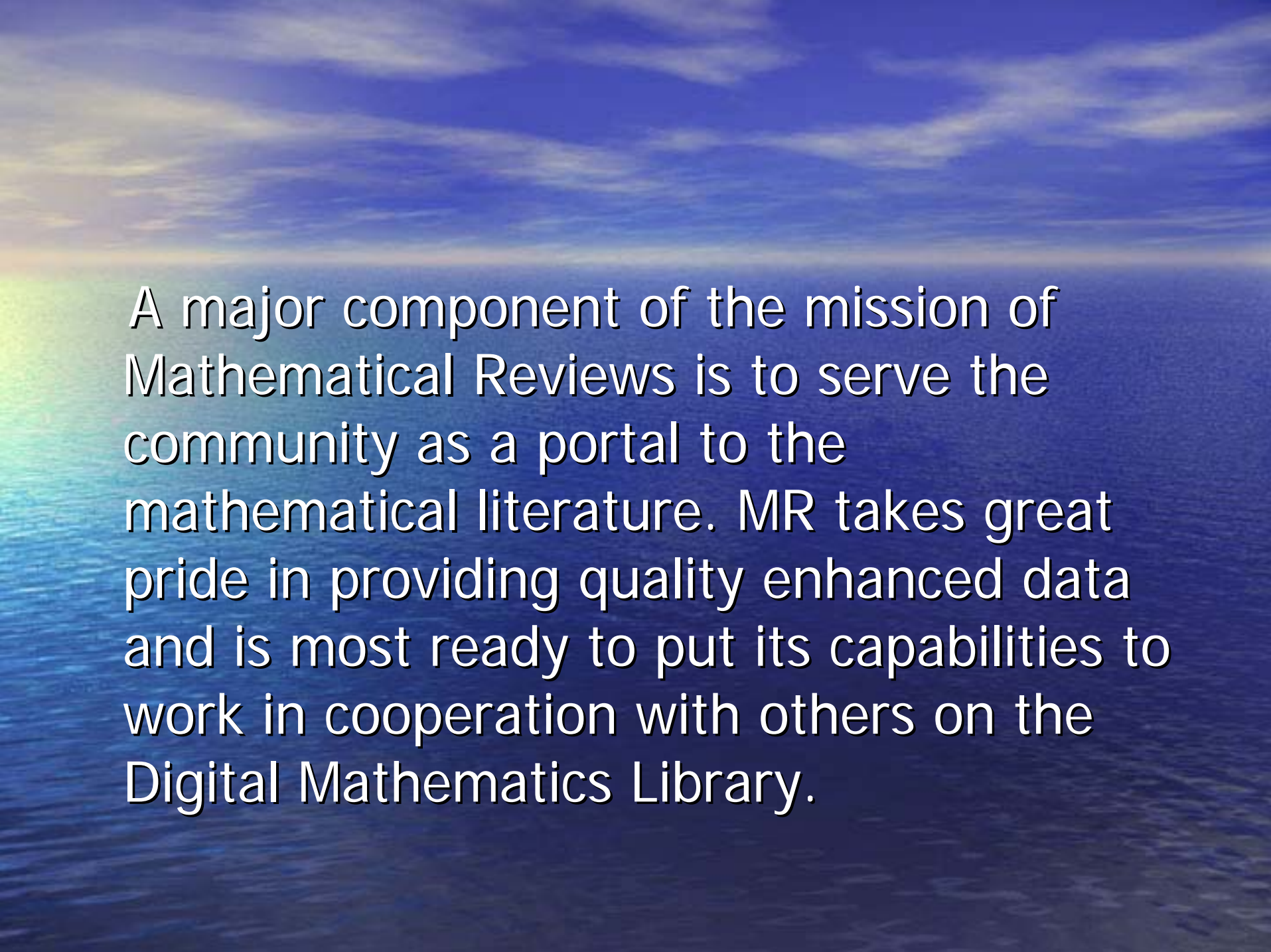
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In the present paper the author sets a foundation for the study of linear codes over finite rings. The

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