Research Title   The Integration of Real Valued Functions by Means of

                         Hyperreal Numbers

Author   Mr. Bundit   Unyong

M.S.   Teaching Mathematics

Examining Committee

Prof. Dr. Sompong	Dhompongsa	Chairman
Assist. Prof. Jintana	Sanwong	Member
Assist. Prof. Somsak	Eiamsritong	Member

Abstract

The purpose of this research is to show some proofs of some theorems, involving the integration of real valued functions in three ways, namely, ordinary, Hatcher's and Keisler's method.

The thesis begins first with the study of the structure of hyperreal numbers reconstructed by Hatcher and Keisler. Then makes use of these structures to give two more methods of proofs of the mentioned theorems.