BUILDING DATABASES OF MATHEMATICAL OBJECTS IN SAGEMATH (PYTHON)

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0.1 INTRODUCTION

A Mathematical Objects Database can be like a museum with all of best mathematical specimens is an intricate catalog and the connections between them. SageMath is a free open-source mathematics software system licensed under the General Public Licence. It builds on top of many existing open-source packages like matplotlib, Sympy, Maxima, GAP, FLINT, R and many more accessing a combined power through a common Python based language.

0.2 BACKGROUND ABOUT THE PROBLEM

0.3 PROBLEM STATEMENT

0.4 OBJECTIVES

0.4.1 Main Objective

0.4.2 Specific Objectives

0.5 METHODOLOGY

0.6 SCOPE

0.6.1 Geographical Scope

0.6.2 Functional Scope

0.6.3 Durational Scope

0.7 SIGNIFICANCE

0.8 RECCOMENDATION AND CONCLUSION