

## **CERTIFICATE**



This is to certify that

## SAMIR ASSUENA

has attended the CIMPA RESEARCH SCHOOL Algebraic methods in Coding Theory, held from July 2nd to July 15th, 2017 at the Wembley Inn Hotel in Ubatuba – SP, Brazil, and has given a talk entitled

Left metacyclic codes.

São Paulo, July 15, 2017

César Polcino Millies