Computational Braid Theory

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Abstract

A generalization of Turing Machines by using a generalization of topological braids theory.

Contents

"It sometimes happens that by ignoring a certain amount of data or structure one obtains a simpler, more flexible theory which, almost paradoxically, can give results not readily obtainable in the original setting"

Allen Hatcher

1 Introduction

1.1 Turing Machines

1.2 Topological Braids

2 Computational Braids

Proof. This is a proof. □

3 Systems Theory

Since a Computational Braid is just an abstraction for any computer system ...

Systems Theory is about the theory of "Braiding with Braids."

4 Conclusions