

Contraction Optimization Summary

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Outline

1 Introduction

2 Usage

3 Testing

Overview of the Problem

- There is a need for automated optimization capabilities
- such tools have historically been too **costly** and/or not generalized enough
- need an integrated platform to automatically test geometry in CFD

Using Optuna

- 1 what a show that identified in
- 2 again that identified in
- 3 twice that identified in

Using Rhino

- 1 what a show that identified in
- 2 again that identified in
- 3 twice that identified in

Using Star-CCM+

- 1 what a show that identified in
- 2 again that identified in
- 3 twice that identified in

Using Star-CCM+

Answers

how are there answers

open questions

how are there answers

nested items

- Answered questions
 - how may primes?
- Open Qs
 - is it valid?

Whats Still To Do?

Answered Questions

How many primes are there?

Whats Still To Do?

Answered Questions

How many primes are there?

Open Questions

Is every even number the sum of two primes?

verbatim code

```
int main (void)
{
    std::vector<bool> is_prime (100,true);
    for( int i = 2; i < 100; i++)
        std::cout << i << "is good" << endl;
}
```