

Report: Finite Element Method

Build Instructions

Build program

```
> make
```

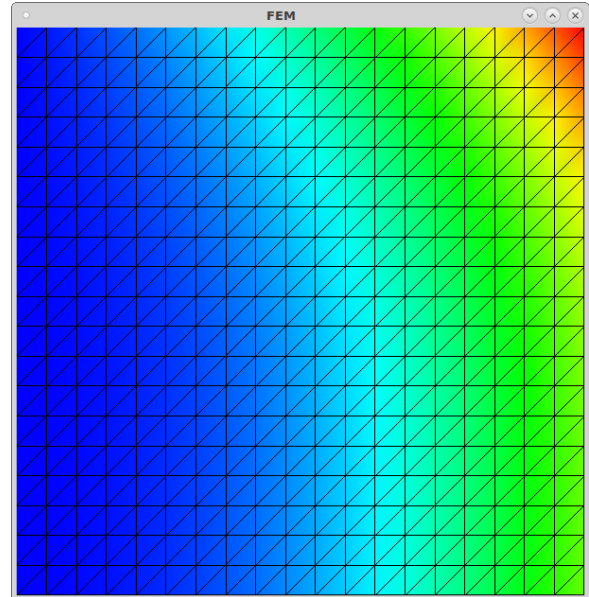
Run program

```
> /FEM [grid size]
```

Overview

Example

```
/FEM 20 (error  $6.8 \cdot 10^{-4}$ )
```



Error/time convergence:

The chart below shows how the solver performs on different grid sizes. The accuracy of the solver corresponds with the grid size. Bigger grid sizes leads to longer calculation times.

