

CS550 Manual Document (PA#4)

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Section 1

CS 550

Manual

NAME

`cudagrep` – print lines matching a pattern into a specific file using CUDA GPU capabilities

SYNOPSIS

`./cudagrep [FILE] [PATTERN]`

DESCRIPTION

`cudagrep` searches the PATTERN into the FILE

You can use the following REGEX :

- `^` : Match the beginning of the line
- `$` : Match the end of the line
- `.` : Replace a single character
- `*` : Replace any characters

OPTIONS

None

Device adjustments

```
const int MAX_THREADS = 1024;
```

```
const int MAX_BLOCKS = 1024;
```

You can change the maximum number of threads and blocks according to your GPU specifications.

