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/*
 * main.h
 * Assignment One
 *
 * Created by Derek Williams on 10-01-30.
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 *
 */

#define FORWARD_SPACE    0
#define BACKWARD_SPACE   1
#define CENTRAL_SPACE    2
#define LAX_FREDRICHS    3
#define LEAPFROG          4
#define EQUILIBRIUM      5
#define NUM_SCHEMES      6

#define SEPERATOR         "-----"
#define FORWARD_SPACE_NAME "Forward-Time Forward-Space"
#define BACKWARD_SPACE_NAME "Forward-Time Backward-Space"
#define CENTRAL_SPACE_NAME "Forward-Time Central-Space"
#define LAX_FREDRICHS_NAME "Lax Fredrichs"
#define LEAPFROG_NAME     "Leapfrog"
#define EQUILIBRIUM_NAME  "Equilibrium"

#define H_10              10
#define H_20              20
#define H_40              40

#define H_10_NAME         "H = 1/10"
#define H_20_NAME         "H = 1/20"
#define H_40_NAME         "H = 1/40"

#define LAMBDA_8          100
#define LAMBDA_16         101

#define LAMBDA_8_NAME     "Lambda = 0.8"
#define LAMBDA_16_NAME    "Lambda = 1.6"

#define DEFAULT_SCHEME    BACKWARD_SPACE

#define BOUNDS_LEFT       -1
#define BOUNDS_RIGHT      3

#define TIME_START        0
#define TIME_END          2.4

#define OPENGL            1
```