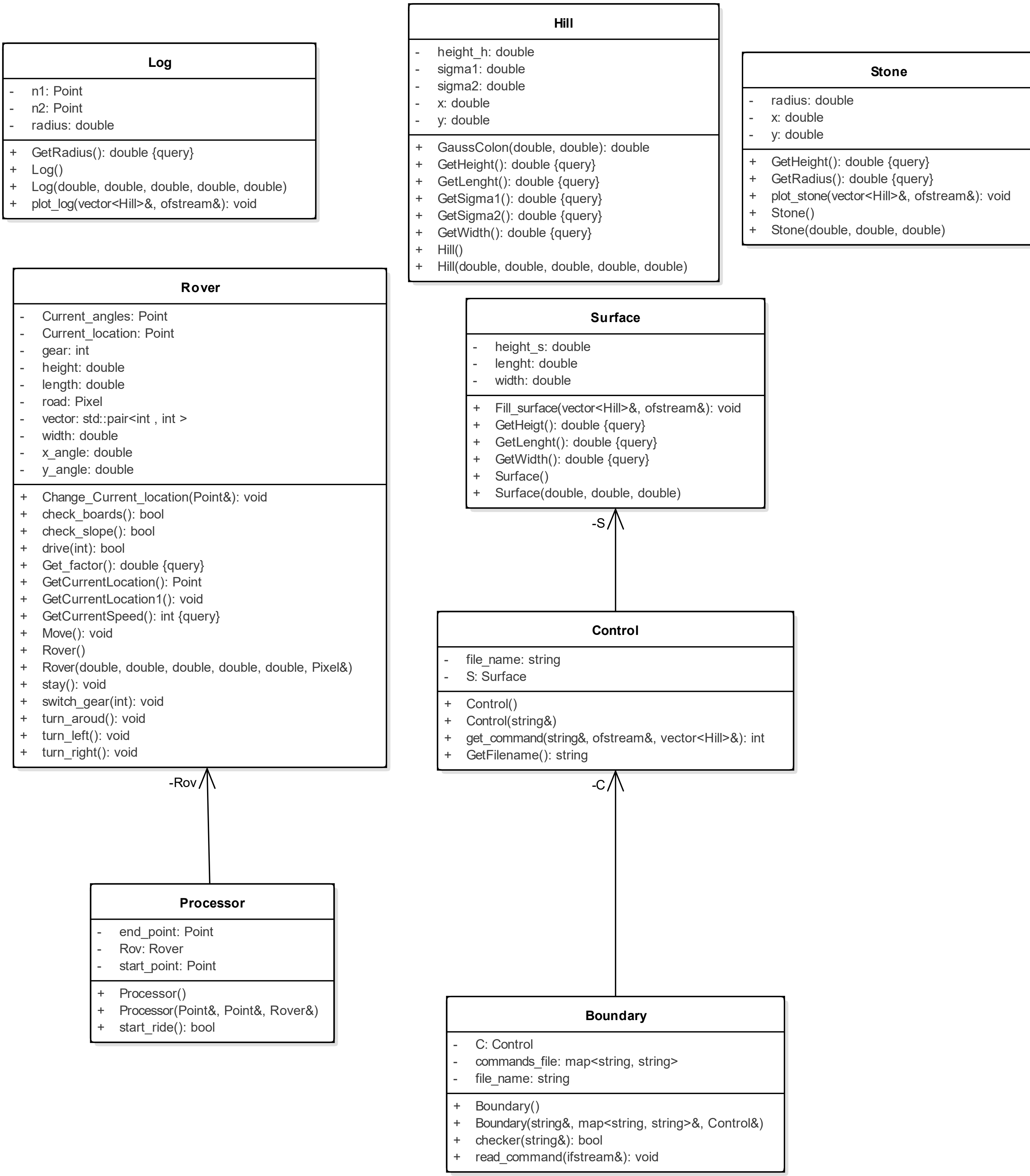

Log

- n1: Point
- n2: Point
- radius: double

+ GetRadius(): double {query}
+ Log()
+ Log(double, double, double, double, double)
+ plot_log(vector<Hill>&, ofstream&): void

Hill

- height_h: double
- sigma1: double
- sigma2: double
- x: double
- y: double

+ GaussColon(double, double): double
+ GetHeight(): double {query}
+ GetLenght(): double {query}
+ GetSigma1(): double {query}
+ GetSigma2(): double {query}
+ GetWidth(): double {query}
+ Hill()
+ Hill(double, double, double, double, double)

Stone

- radius: double
- x: double
- y: double

+ GetHeight(): double {query}
+ GetRadius(): double {query}
+ plot_stone(vector<Hill>&, ofstream&): void
+ Stone()
+ Stone(double, double, double)

Rover

- Current_angles: Point
- Current_location: Point
- gear: int
- height: double
- length: double
- road: Pixel
- vector: std::pair<int , int >
- width: double
- x_angle: double
- y_angle: double

+ Change_Current_location(Point&): void
+ check_boards(): bool
+ check_slope(): bool
+ drive(int): bool
+ Get_factor(): double {query}
+ GetCurrentLocation(): Point
+ GetCurrentLocation1(): void
+ GetCurrentSpeed(): int {query}
+ Move(): void
+ Rover()
+ Rover(double, double, double, double, double, Pixel&)
+ stay(): void
+ switch_gear(int): void
+ turn_aroud(): void
+ turn_left(): void
+ turn_right(): void

Surface

- height_s: double
- lenght: double
- width: double

+ Fill_surface(vector<Hill>&, ofstream&): void
+ GetHeigt(): double {query}
+ GetLenght(): double {query}
+ GetWidth(): double {query}
+ Surface()
+ Surface(double, double, double)

Control

- file_name: string
- S: Surface

+ Control()
+ Control(string&)
+ get_command(string&, ofstream&, vector<Hill>&): int
+ GetFilename(): string

Processor

- end_point: Point
- Rov: Rover
- start_point: Point

+ Processor()
+ Processor(Point&, Point&, Rover&)
+ start_ride(): bool

Boundary

- C: Control
- commands_file: map<string, string>
- file_name: string

+ Boundary()
+ Boundary(string&, map<string, string>&, Control&)
+ checker(string&): bool
+ read_command(ifstream&): void