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/*
 * File: varianceTracker.h
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 *
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 */
#include <stdlib.h>
#include <stdio.h>
// #include <highgui.h>
#include "opencv2/opencv.hpp"
// #include </usr/local/include/opencv2/opencv.hpp>
// #include "opencv2/nonfree/nonfree.hpp"
#include <cmath>

#ifndef VARIANCETRACKER_H
#define VARIANCETRACKER_H

using namespace cv;

class varianceTracker {
public:
    varianceTracker();
    varianceTracker(const varianceTracker& orig);
    virtual ~varianceTracker();
    double addPoint(Point2f p1);

    int buffSize;
    double *Carray;

private:
    int current;
    int total;
    Point2f prevPoint;
};

#endif /* VARIANCETRACKER_H */
```