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```
#ifndef _VOL_LOC_H
#define _VOL_LOC_H

#include "math/ImportanceSampling_jl/src/Model.hpp"
#include "pnl/pnl_matrix.h"
#include "pnl/pnl_random.h"

class DupireModel : public BaseModel
{
public:
    double sigma(double maturity, double t, double St, int i);
    DupireModel();
    DupireModel(const Param &P);
    ~DupireModel();
    void print() const;
    virtual void path();
};

#endif
```