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```
#ifndef _HAWKES_INTENSITY_H
#define _HAWKES_INTENSITY_H

#include "optype.h"
#include "var.h"

#define TYPEMOD HAWKES_INTENSITY

/* HAWKES_INTENSITY World */
typedef struct TYPEMOD
{
    VAR Ncomp; /* must be the first variable */
    VAR lambda0;
    VAR kappa;
    VAR c;
    VAR delta;
    VAR r;
} TYPEMOD;

#endif
```