DsTool: Dynamical system C code

Directory:

Filename: pmodel_def.c

```
/*
 * dstool_tk - automatically generated model file
 */
#include <model_headers.h>

/*
        x' = sigma*(y-x)
        y' = rho*x-y-x*z
        z' = -beta*z+x*y


        Translation table:

                x[0] <--> x
                x[1] <--> y
                x[2] <--> z
                p[0] <--> sigma
                p[1] <--> rho
                p[2] <--> beta
*/

/* function used to define dynamical system */
int parsed_model_ds_func( double* f, double* x, double* p)
{

        f[0] = p[0]*(x[1]-x[0]);
        f[1] = p[1]*x[0]-x[1]-x[0]*x[2];
        f[2] = -p[2]*x[2]+x[0]*x[1];
```

Load... Save... Clear Dismiss