

# Re: Code consolidation

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*Source:* [http://coding.derkeiler.com/Archive/C\\_CPP/comp.lang.c/2005-08/msg03114.html](http://coding.derkeiler.com/Archive/C_CPP/comp.lang.c/2005-08/msg03114.html)

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- *From:* Zara <[yozara@xxxxxxxx](mailto:yozara@xxxxxxxx)>
  - *Date:* Wed, 31 Aug 2005 05:06:46 GMT
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Aaron Jackson wrote:

> I am in the process of writing my first large scale program and I find  
> myself in the position of writing several copies of functions that do  
> the same thing, with mostly the same code, but only slightly different.  
(...)

try macros:

```
#define CHI(funDeclare,specifics)\
double funDeclare{\
int i;\
double deltay,chiSqr;\
xy_t *data;\
\
chiSqr = 0.0;\
data = dataList;\
for (i = 0; data != NULL; i++) {\
deltay = data->y - specifics;\
chiSqr += weight[i] * deltay * deltay;\
data = data->next;\
}\
return(chiSqr);\
}
```

```
CHI(\
Chisqr1(double *params, double *weight),\
netCarriers(params, data->x)\
)
```

```
CHI(\
Chisqr2(dopant_t *dopants, double *weight, double *Ef, double Eg),\
netIonized(dopants,data->x, Ef[i])\
)
```

I don't like it at all, but it is a valid solution

Have you read about templates in C++? They could have been a nicer solution!

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- **References:**
  - ◆ **Code consolidation**
    - ◇ *From:* Aaron Jackson
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