Subject: Re: Optimising A = B+C?
Posted by davis on Tue, 04 Jun 1996 07:00:00 GMT
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On 3 Jun 1996 22:05:03 GMT, John E. Davis <davis@space.mit.edu>
wrote:
 : Here is the file t.c:
[...]
 : int main (int argc, char **argv)
 : {
 :   unsigned int dim = MAX_SIZE * MAX_SIZE;
 :   unsigned int i;
 :   float a[MAX_SIZE+EXTRA][MAX_SIZE+EXTRA],
b[MAX_SIZE+EXTRA][MAX_SIZE+EXTRA];

On some systems it is necessary to make `a' and `b' global variables because
as declared, they use up about 2*4*1024*1024 = 8 Mbytes of stack space.
This will cause the program to core dump if not enough stack space is
available. The change will look like:

```
float a[MAX_SIZE+EXTRA][MAX_SIZE+EXTRA], b[MAX_SIZE+EXTRA][MAX_SIZE+EXTRA];
int main (int argc, char **argv)
{
   unsigned int dim = MAX_SIZE * MAX_SIZE;
   unsigned int i;
```

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