

# Re: numerical analysis (composite numerical integration)

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*Source:* <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2007-01/msg00039.html>

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  - *Date:* 4 Jan 2007 12:16:39 -0800
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```
/* Slight improvement: */
double trapezoidal_rule(double a, double b, int n, double (*f)
(double))
{
double h = (b - a) / n;
double area = f(a);
double midpart = 0;
unsigned i;

for (i = 1; i < n; i++) {
midpart += f(a + i * h);
}
midpart *= 2.0;
return (area + midpart + f(b)) * h * 0.5;
}
.
```