

rmaxima

test page

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```
# library(rmaxima)
```

```
integrate(x^3, x);  
L: sqrt(1 - 1/(R^2));  
assume(R>=0)  
integrate(x, x, 0, L);
```

$$\frac{x^4}{4}$$
$$\sqrt{1 - \frac{1}{R^2}}$$
$$[R \geq 0]$$
$$\frac{R^2 - 1}{2 R^2}$$