

Export

Here, you find different representations of the following mathematical expression, so that you can insert it into a document or another application.

$$\frac{2a\omega^2 \cos(\omega x) \sin(\omega x) (\sin^4(\omega x) + (\cos^2(\omega x) - 1) \sin^2(\omega x))}{(\sin^2(\omega x) + 1)^3}$$

LaTeX

For inserting into a LaTeX document:

```
\dfrac{2a{\omega}^2\cos\left({\omega}x\right)\sin\left({\omega}x\right)\left(\sin^4\left({\omega}x\right)+\left(\cos^2\left({\omega}x\right)-1\right)\sin^2\left({\omega}x\right)-3\cos^2\left({\omega}x\right)-2\right)}{\left(\sin^2\left({\omega}x\right)+1\right)^3}
```

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Maxima

For inserting into the computer algebra system Maxima:

```
(2*a*omega^2*cos(omega*x)*sin(omega*x)*(sin(omega*x)^4+(cos(omega*x)^2-1)*sin(omega*x)^2-3*cos(omega*x)^2-2))/(sin(omega*x)^2+1)^3
```

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Online calculators

For inserting into the derivative/integral calculator:

```
(2*a*omega^2*cos(omega*x)*sin(omega*x)*(sin(omega*x)^4+(cos(omega*x)^2-1)*sin(omega*x)^2-3*cos(omega*x)^2-2))/(sin(omega*x)^2+1)^3
```

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