

Exempel 0.0.1**Bestäm:**

$$\int \frac{1}{(4+x^2)^2} dx$$

...vi sätter $u = \arctan(\frac{x}{2})$:

$$\int \frac{1}{(4+x^2)^2} dx = \frac{1}{8} \int \cos^2 u \, du$$