

# Integrali indefiniti

| $f$                                | $F$   |
|------------------------------------|---|
| $\cos(x)$                          | $\sin(x)$   |
| $\sin(x)$                          | $-\cos(x)$  |
| $e^x$                              | $e^x$   |
| $x^\beta$                          | $\frac{1}{\beta+1}x^{\beta+1}$                        |
| $\frac{1}{x}$                      | $\log( x )$   |
| $\frac{g'(x)}{g(x)}$               | $\log( g(x) )$  |
| $g'(x) \left( g(x) \right)^\alpha$ | $\frac{1}{\alpha+1} \left( g(x) \right)^{\alpha+1}$   |
| $\frac{1}{1+x^2}$                  | $\arctan(x)$  |
| $\frac{1}{\beta^2+x^2}$            | $\frac{1}{\beta} \arctan\left(\frac{x}{\beta}\right)$ |
| $\frac{1}{\sqrt{1-x^2}}$           | $\arcsin(x)$  |
| $\sin^2(x)$                        | $\frac{x - \sin(x) \cos(x)}{2}$                       |
| $\cos^2(x)$                        | $\frac{x + \sin(x) \cos(x)}{2}$                       |