

**28.1.** Calculer  $\int_0^1 \frac{x^5}{(x+1)(x^3+1)} dx$ .

**28.2.** Calculer  $\int_0^{\frac{1}{2}} \frac{x^2+x+1}{(x-1)^2(x+1)^2} dx$ .

**28.3.** Calculer  $\int_0^1 \frac{x^3+1}{x^2+1} dx$ .