

Zadatak 6.1. Razvijte u Taylorov red oko točke $z_0 = 0$ funkciju:

(a) $f(z) = \frac{z-2}{z^2-z-6}$

(b) $f(z) = \sin^2(z).$

Zadatak 6.2. Razvijte u Taylorov red oko točke z_0 funkciju:

(a) $f(z) = \cos z, \quad z_0 = \frac{\pi}{4}$

(b) $f(z) = \operatorname{arctg} z, \quad z_0 = 0.$