

Analytic Polynomials

Reading

Section 2.1

Problems

Practice problems:

1. Page 32: 3, 5, 6, 7

Topics to know

1. Definition of “analytic polynomial”
2. A polynomial is analytic iff $P_y = iP_x$
 - One direction: Straightforward (basically boils down to z^k case)
 - Other direction: Focus on “same degree”
3. Rewrite equations in terms of u, v components
4. Definition of differentiable functions