

# 3.1/

## Algebraic Polynomials

### 1. What?

### 2. Why?

### 3. Weierstrass Approximation Theorem:

i.e.

### 4. Taylor Polynomials:

Taylor Polynomials are

To approximate an interval, we

## Lagrange Interpolating Polynomials

1. **The linear Lagrange interpolating polynomial:**

2. **The nth Lagrange interpolating polynomial:**

3. **The error term (bound):**