

## Polynomial

- coefficients: ArrayList<Double>

- degree: int

+ Polynomial(): void

+ Polynomial(coefficients: ArrayList<Double>): void

+ Polynomial(degree: int): void

- parseCoefficients(data: ArrayList<Double>): ArrayList<Double>

+ getCoefficients(): ArrayList<Double>

+ getDegree(): int

+ getCoefficient(index: int): double

+ setCoefficients(coefficients: ArrayList<Double>): void

+ setCoefficient(k: int, coefficient: double): void

+ evaluate(x: double): double

+ add(p: Polynomial): Polynomial