Curve of y: ideal vs approximation

- $y = \log_2(x + 1)$
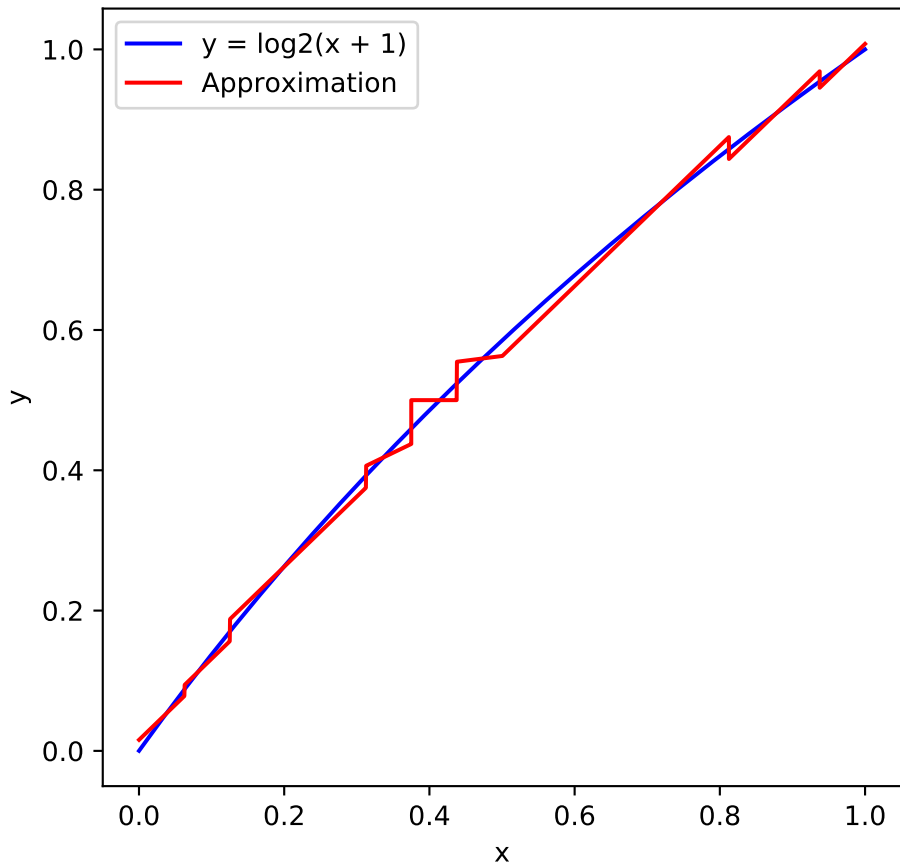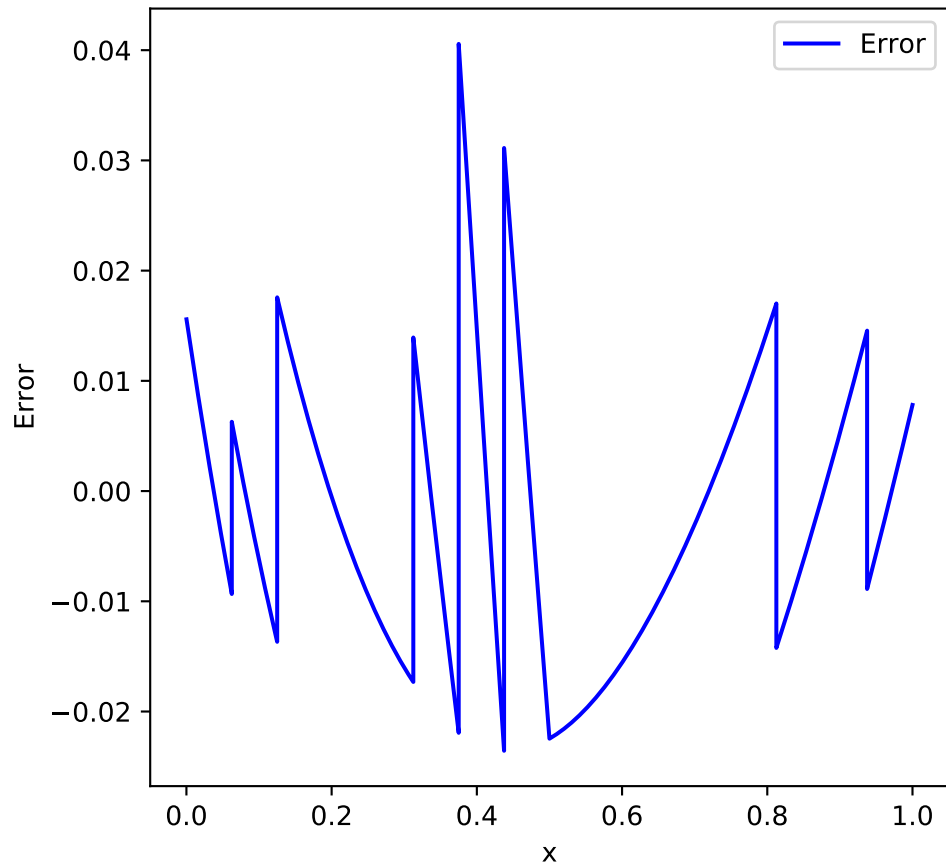- Approximation

Approximation Error

- Error

RMS = 0.012035894542036294, mean = -0.002374587197060523, std = 0.011799325958315388
Seg1: y = 1*x + 0.015625;   Seg2: y = 1*x + 0.015625;   Seg3: y = 1*x + 0.015625;   Seg4: y = 1*x + 0.015625;
Seg5: y = 1*x + 0.015625;   Seg6: y = 1*x + 0.015625;   Seg7: y = 1*x + 0.015625;   Seg8: y = 1*x + 0.015625;
Seg9: y = 1*x + 0.015625;   Seg10: y = 1*x + 0.015625;   Seg11: y = 1*x + 0.015625;   Seg12: y = 1*x + 0.015625;
Seg13: y = 1*x + 0.015625;   Seg14: y = 1*x + 0.015625;   Seg15: y = 1*x + 0.015625;   Seg16: y = 1*x + 0.015625;