Interpolating Polynomials

$n = 5$

$$p(x) = 0.56731 - (1.1176\text{E} - 17)x - 0.069231x^2 + (4.4702\text{E} - 19)x^3 + 0.0019231x^4 + 0x^5$$

$n = 9$

$$\begin{aligned} p(x) = {} & 0.86154 + (6.5952\text{E} - 16)x - 0.33044x^2 - (4.9961\text{E} - 16)x^3 \\ & + 0.049166x^4 + (1.0128\text{E} - 16)x^5 - 0.0028746x^6 - (6.7995\text{E} - 18)x^7 \\ & + (5.5359\text{E} - 05)x^8 + (1.4022\text{E} - 19)x^9 \end{aligned}$$

$n = 17$

$$\begin{aligned} p(x) = {} & 0.98681 + (4.0772\text{E} - 13)x - 0.80301x^2 - (1.4922\text{E} - 11)x^3 \\ & + 0.41566x^4 + (1.5229\text{E} - 11)x^5 - 0.12414x^6 - (5.8477\text{E} - 12)x^7 \\ & + 0.021309x^8 + (1.1198\text{E} - 12)x^9 - 0.0021138x^{10} - (1.1713\text{E} - 13)x^{11} \\ & + 0.00011864x^{12} + (6.7615\text{E} - 15)x^{13} - (3.4722\text{E} - 06)x^{14} - (2.0108\text{E} - 16)x^{15} \\ & + (4.0934\text{E} - 08)x^{16} + (2.3938\text{E} - 18)x^{17} \end{aligned}$$

Interpolation Results