Interpolating Polynomials

$$n = 5$$

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

$$n = 9$$

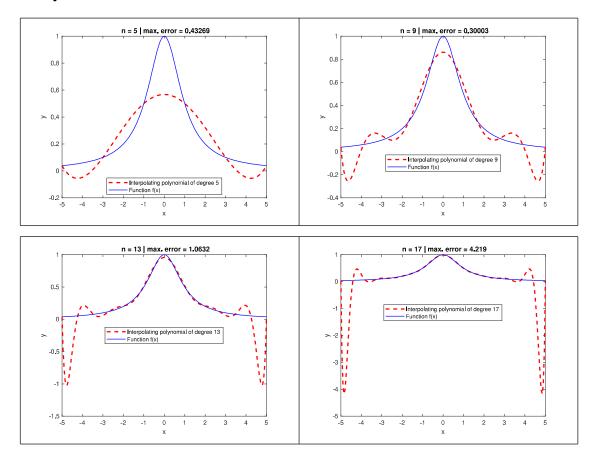
$$p(x) = 0.86154 + (6.5952E - 16)x - 0.33044x^{2} - (4.9961E - 16)x^{3} + 0.049166x^{4} + (1.0128E - 16)x^{5} - 0.0028746x^{6} - (6.7995E - 18)x^{7} + (5.5359E - 05)x^{8} + (1.4022E - 19)x^{9}$$

$$n = 17$$

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

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Interpolation Results



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