

HW Problem 9 Cubic Splines - Bessel function

Sunday, September 27, 2020 4:10 PM

[A]

	Cubic spline	Interval
P0	$1 - 0.4186(x - 0) - 5.9475E^{-18}(x - 0)^2 + 0.0005(x - 0)^3$	[0, 2.40482555769577]
P1	$1.2799E^{-15} - 0.4101(x - 2.4048) + 0.0035(x - 2.4048)^2 + 0.0603(x - 2.4048)^3$	[2.40482555769577, 3.83170597020751]
P2	$-0.4027 - 0.03152(x - 3.8317) + 0.2618(x - 3.8317)^2 - 0.0603(x - 3.8317)^3$	[3.83170597020751, 5.52007811028631]
P3	$-2.5411E^{-16} + 0.3366(x - 5.5201) - 0.0437(x - 5.5201)^2 - 0.0315(x - 5.5201)^3$	[5.52007811028631, 7.01558666981561]
P4	$0.3001 - 0.0057(x - 7.0156) - 0.1851(x - 7.0156)^2 + 0.0469(x - 7.0156)^3$	[7.01558666981561, 8.65372791291101]
P5	$3.3811E^{-16} - 0.2347(x - 8.6537) + 0.04543(x - 8.6537)^2 - 0.0050(x - 8.6537)^3$	[8.65372791291101, 10]

