

## I. The max-norm of errors for intervals number n

n	max-norm of error
5	0.3500000000000000
10	0.100052988118413
20	0.052883146381976
40	0.023491579385279
80	0.007228575231679

We can find that the errors is in inverse proportion to the index of the number of intervals.

## II Plot the interpolating splines.

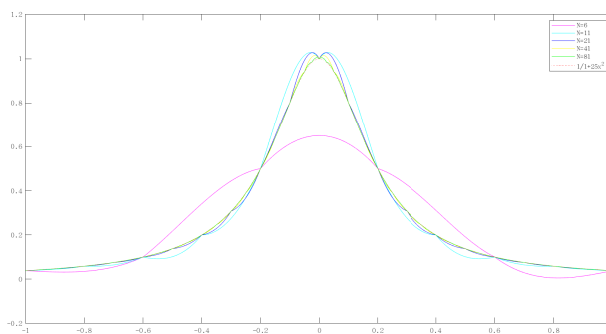


Figure 1: The interpolating splines.

We can find that spline interpolation is free of the wide oscillations in the Runge phenomenon.