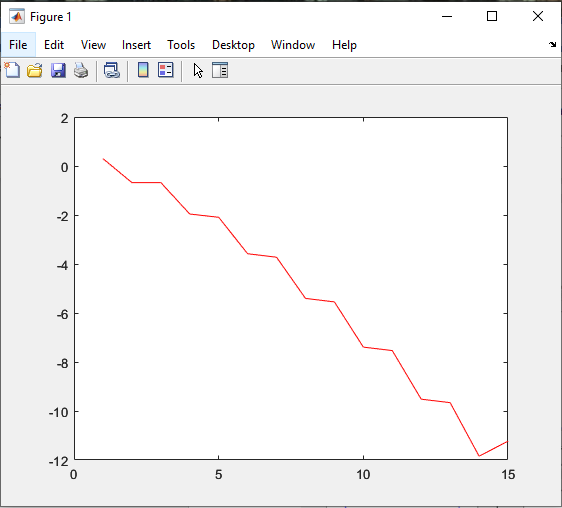
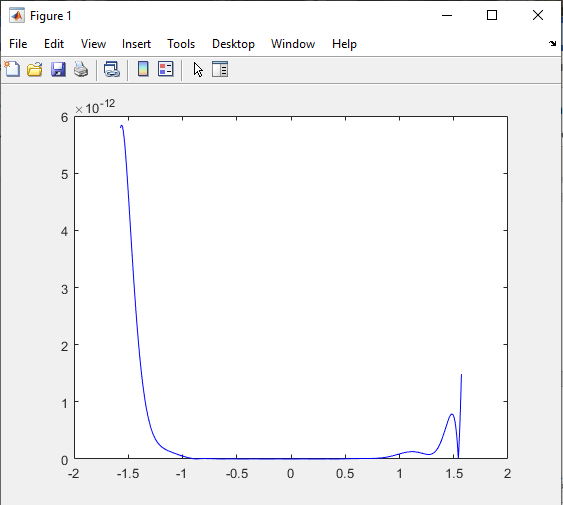
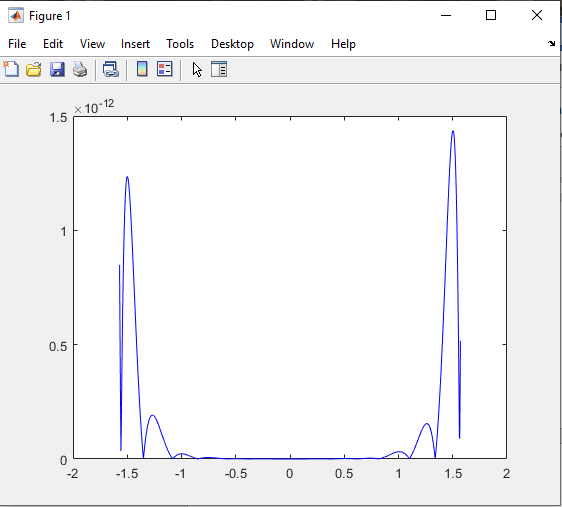
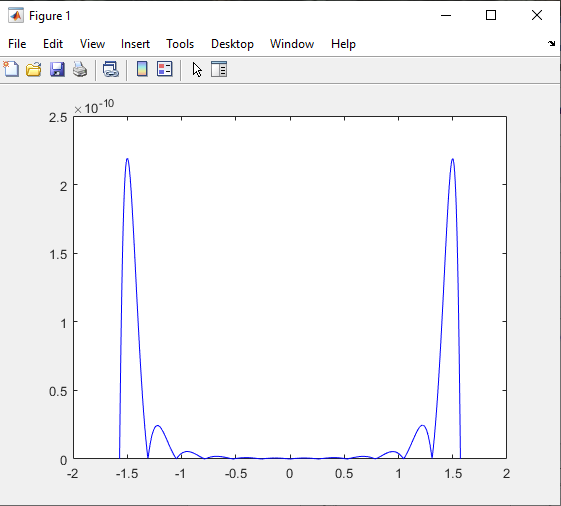
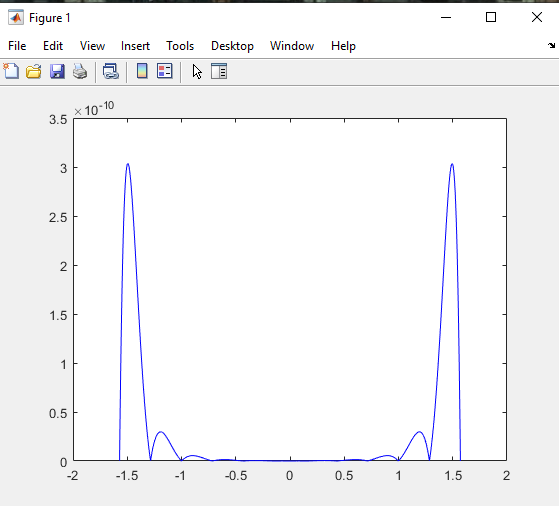
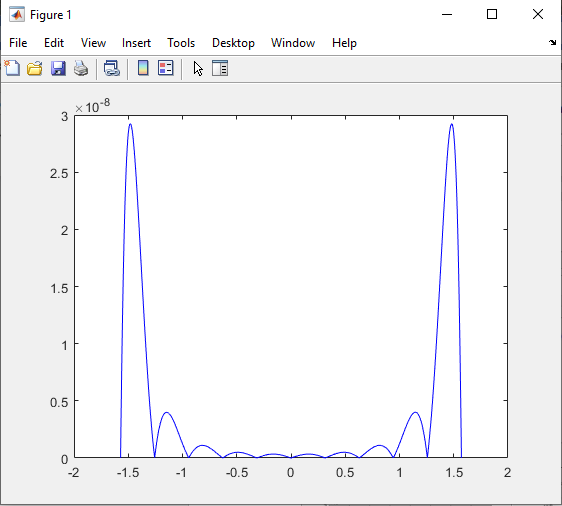
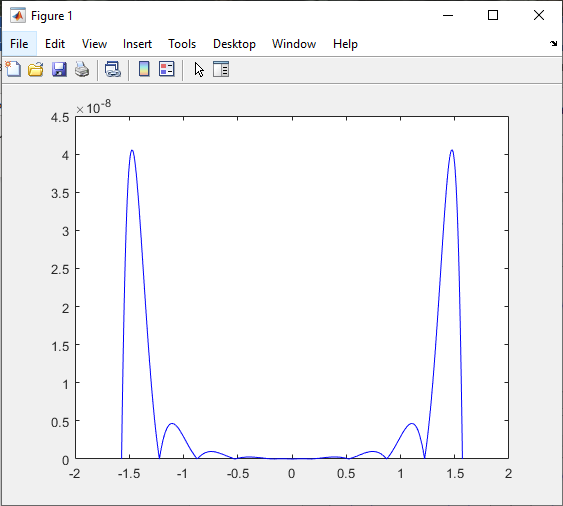
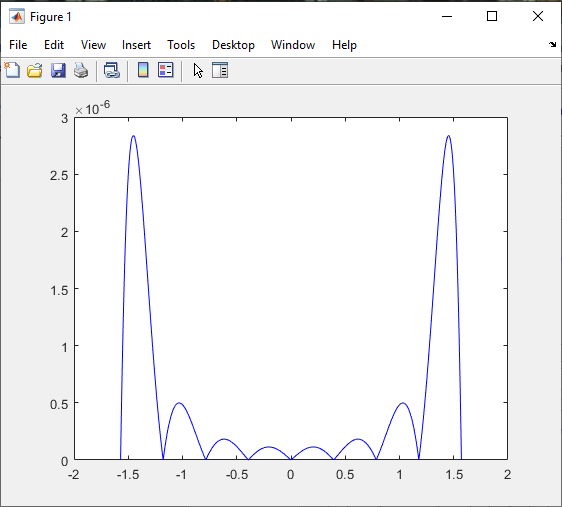
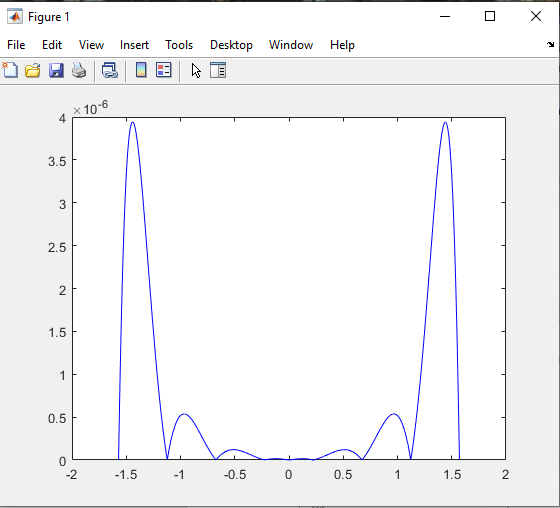
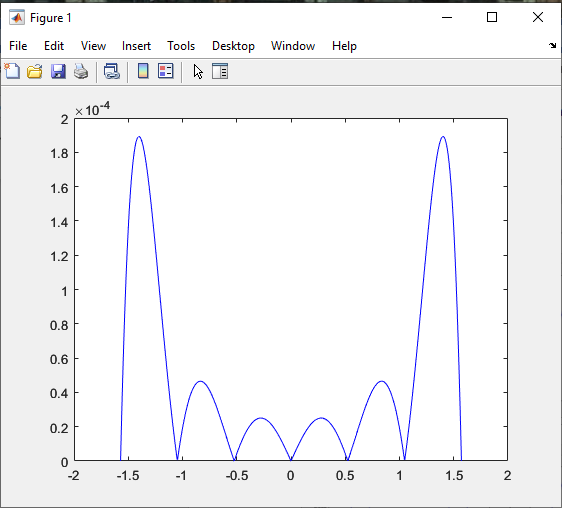
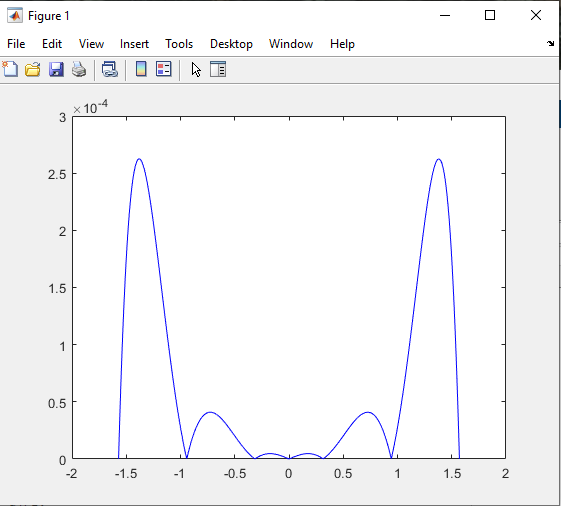
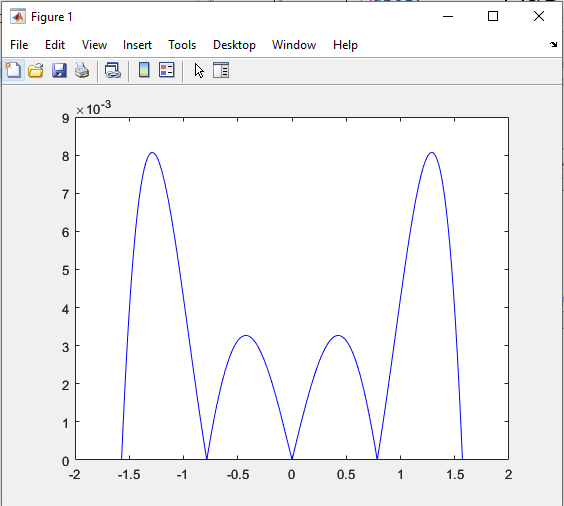
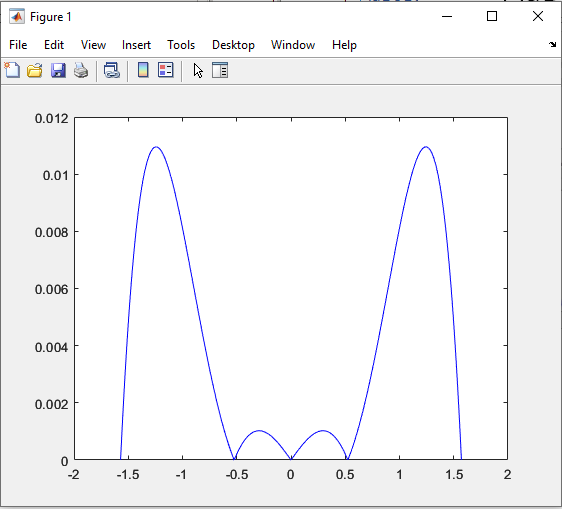
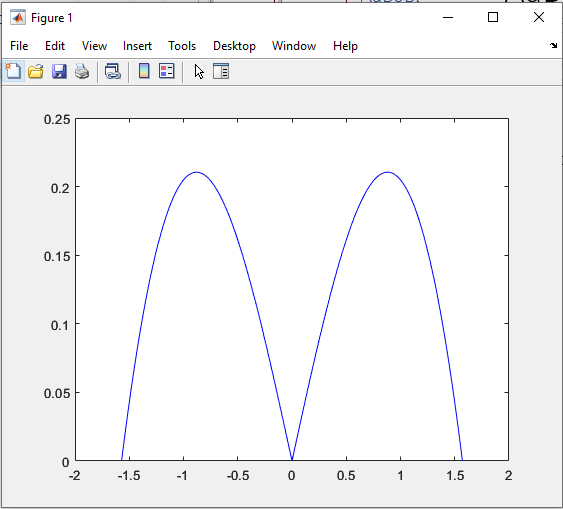
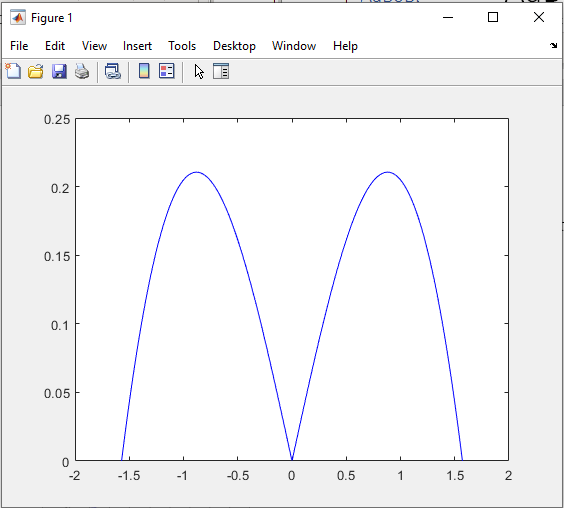
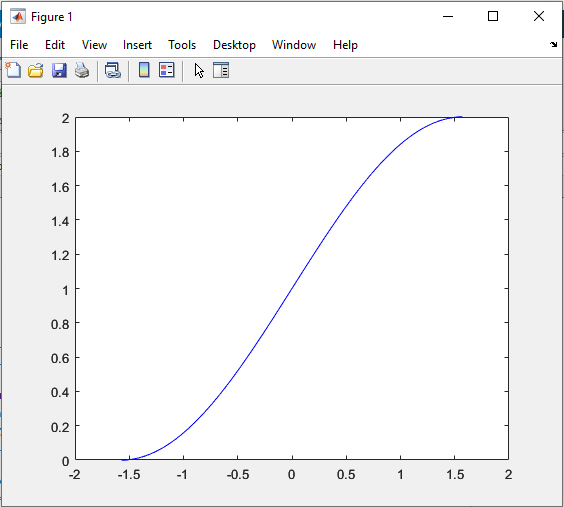
Выполнил: Смоленцев Роман Юрьевич, гр. 3530901/10006

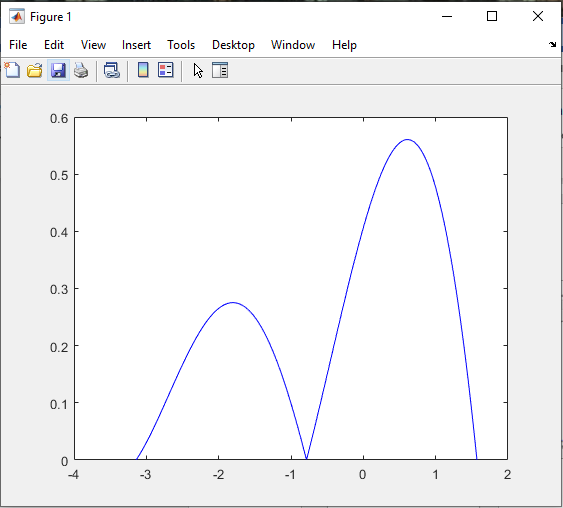
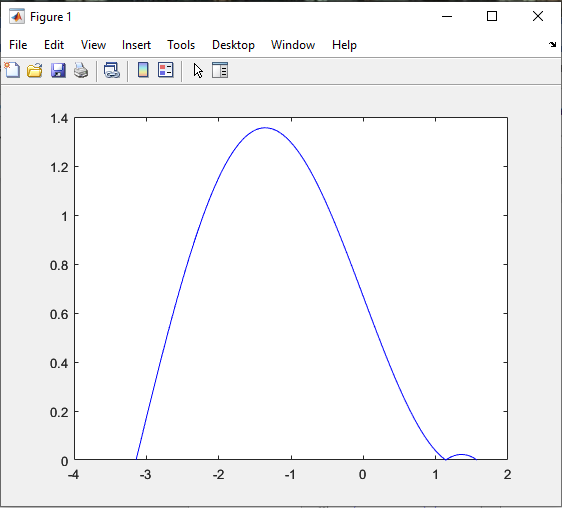
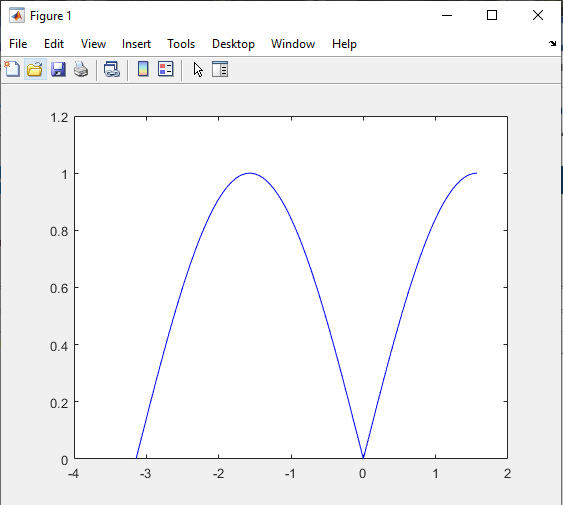
Задание: Для y = sin(x) построить интерполяционные полиномы по узлам. Оценить погрешность.

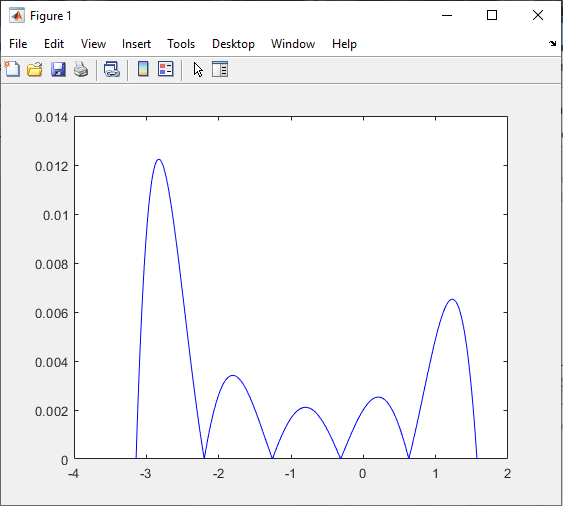
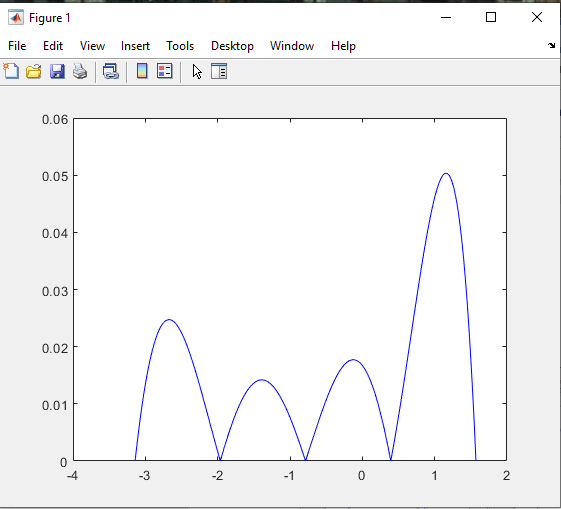
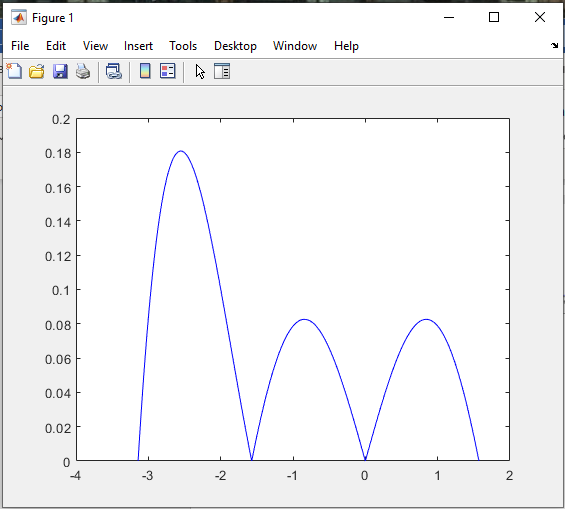
1. Для [a;b]:

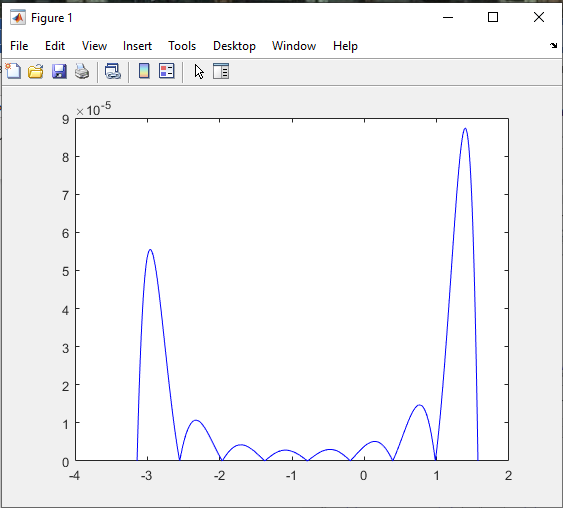
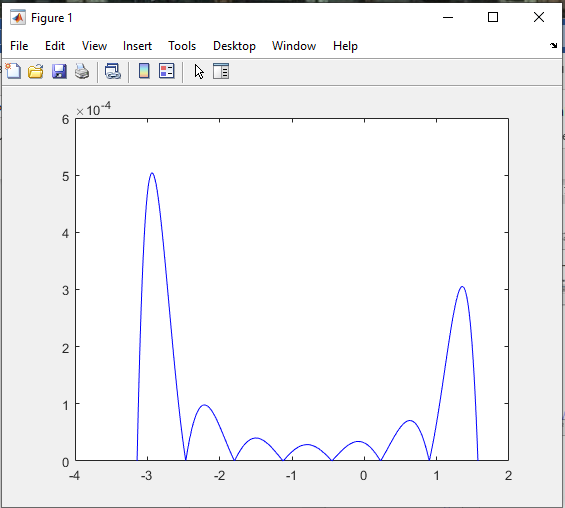
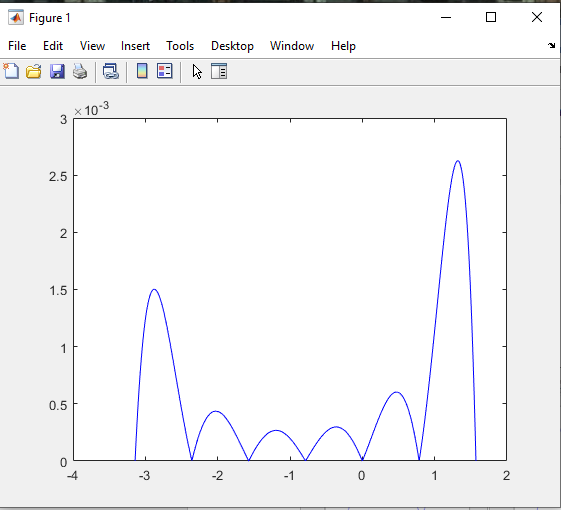
\* [-pi/2; pi/2], m = 15

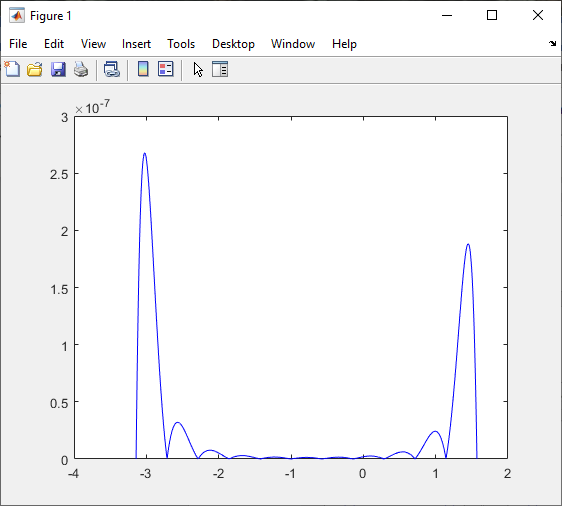
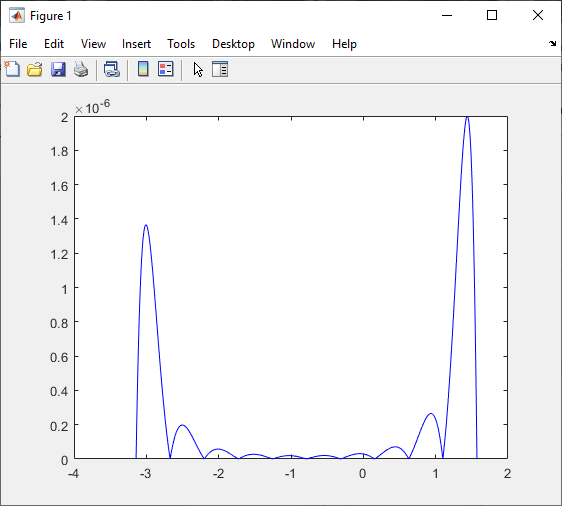
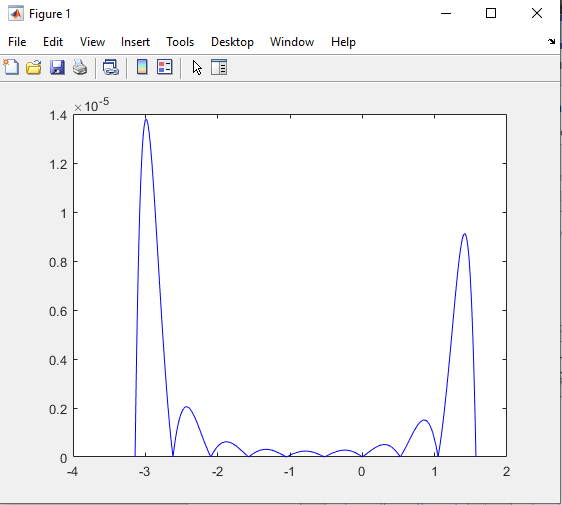


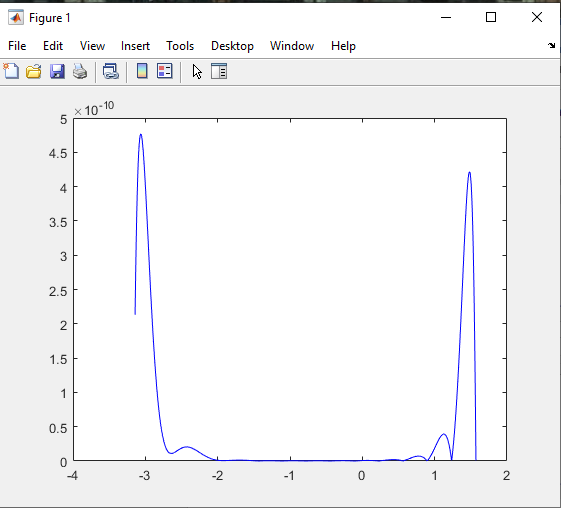
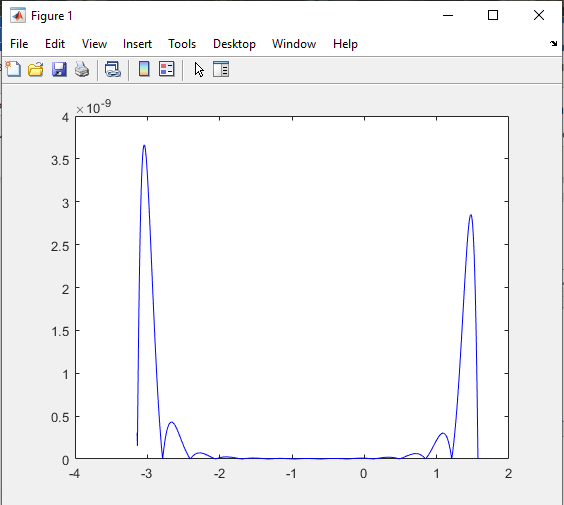
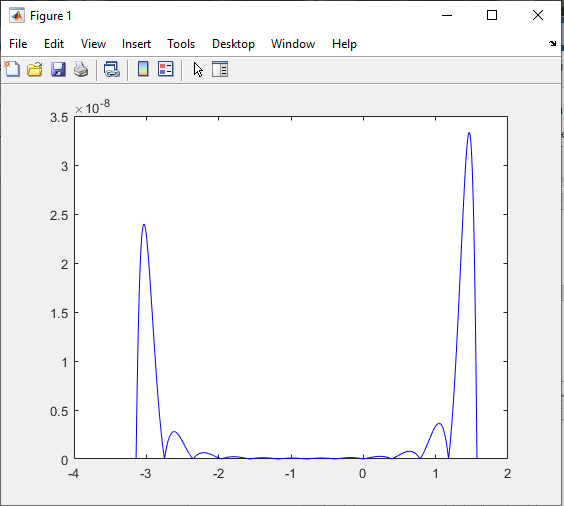
\* [-pi; pi/2], m = 15;

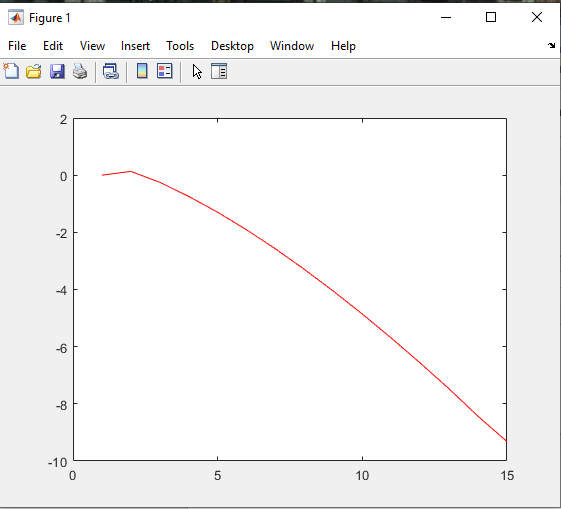




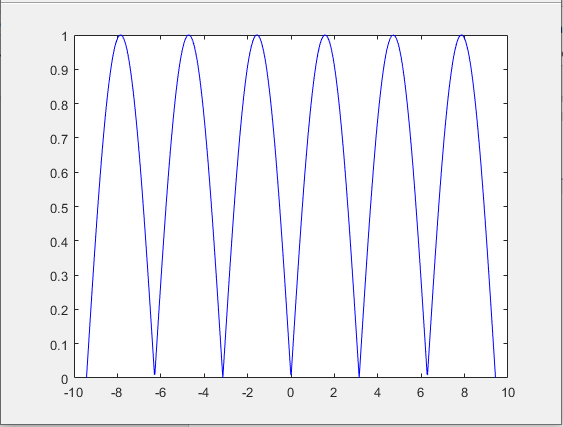
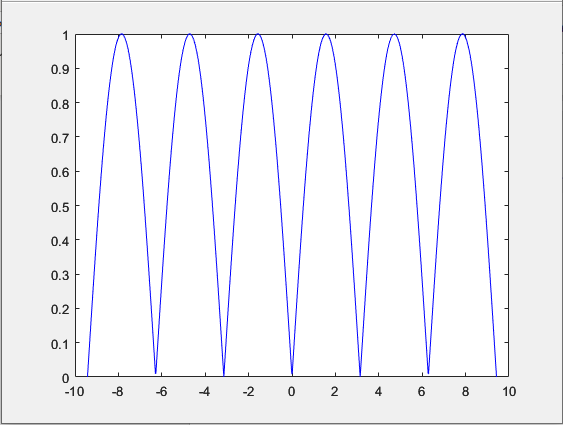
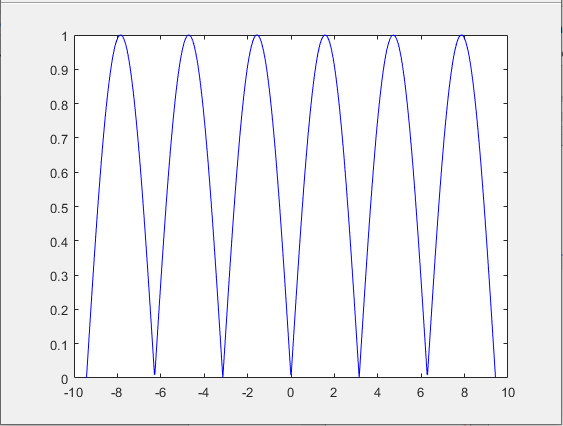


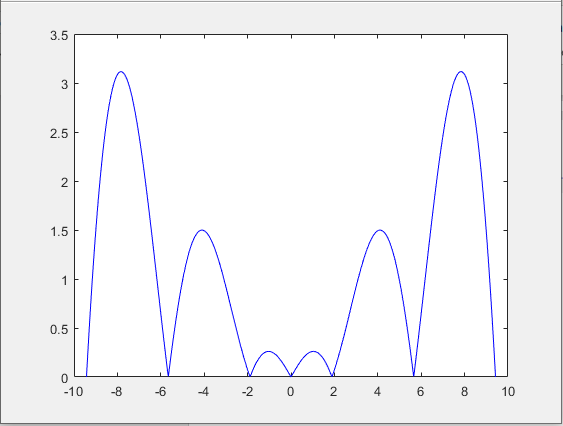
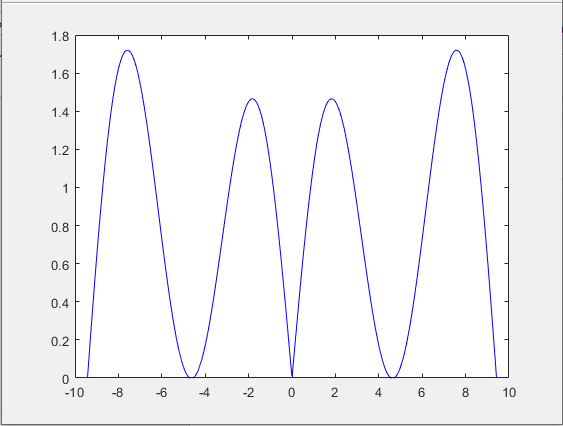
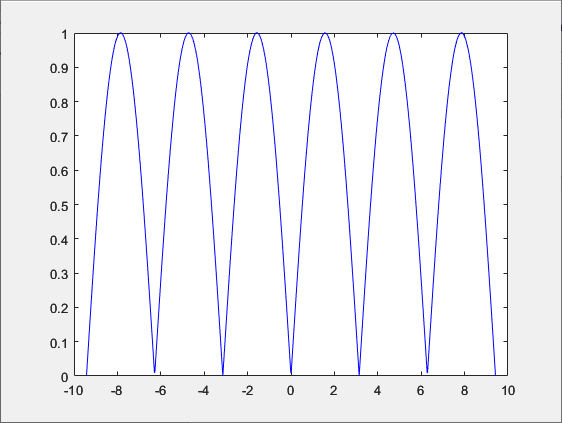


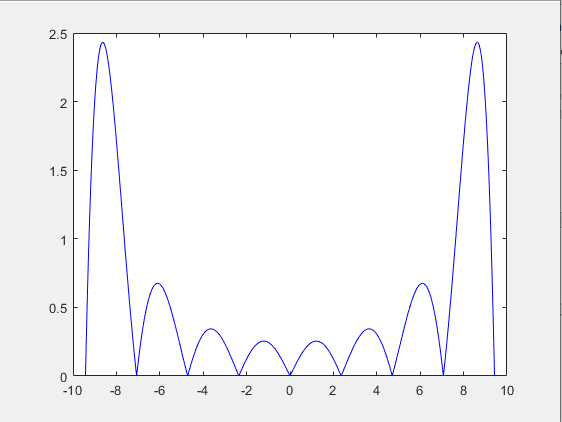
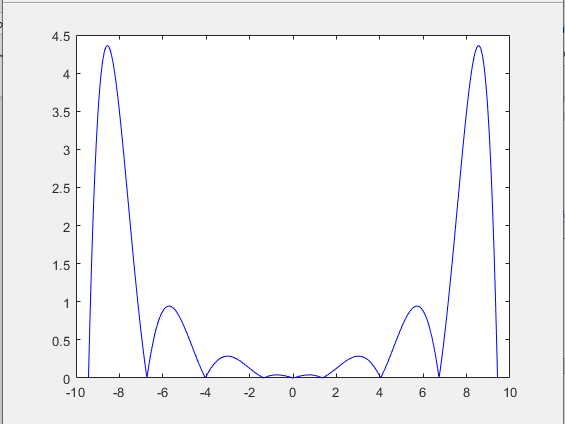
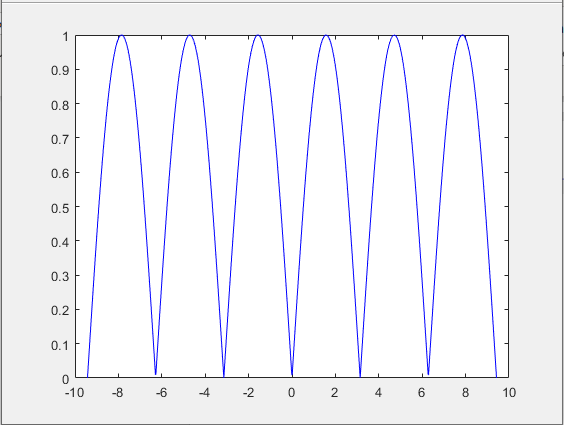


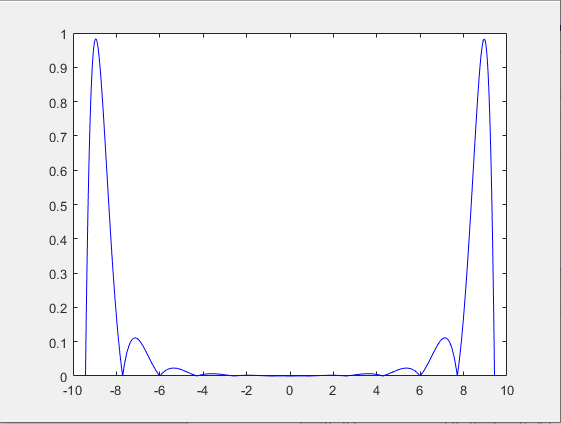
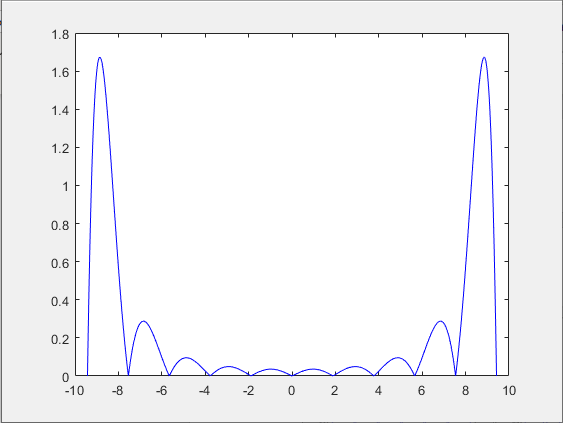
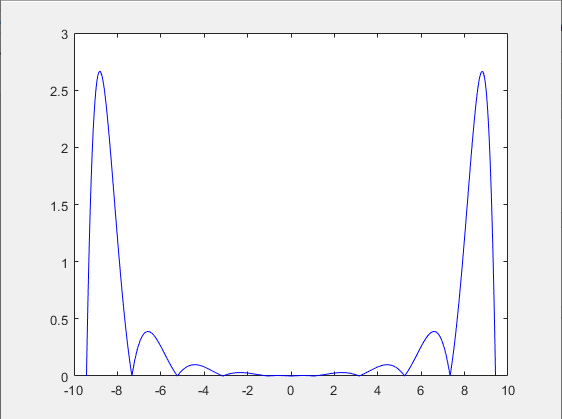


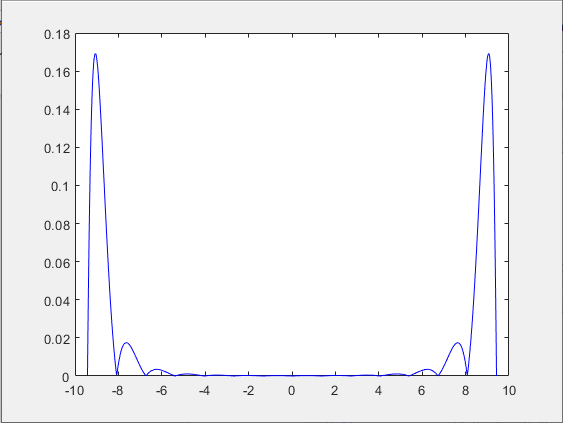
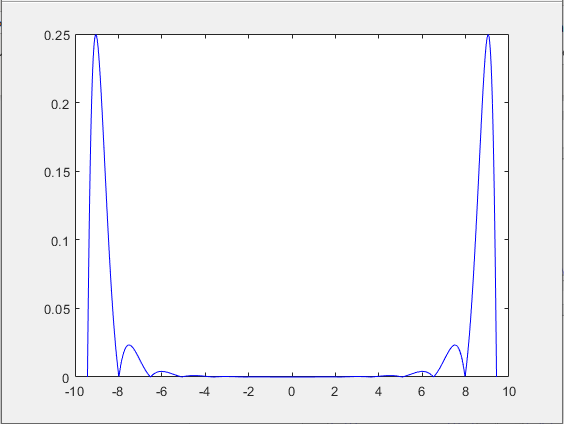
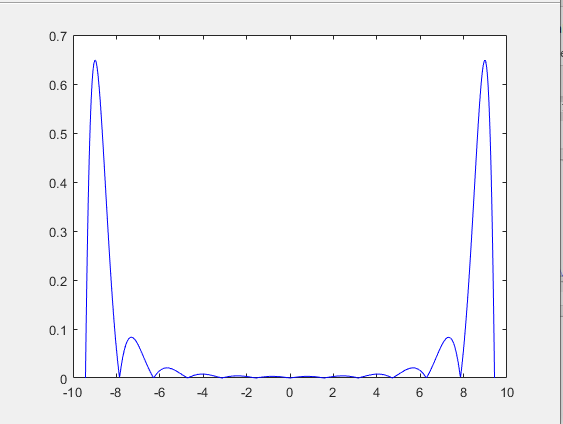
\* [-3\*pi; 3\*pi], m = 15;

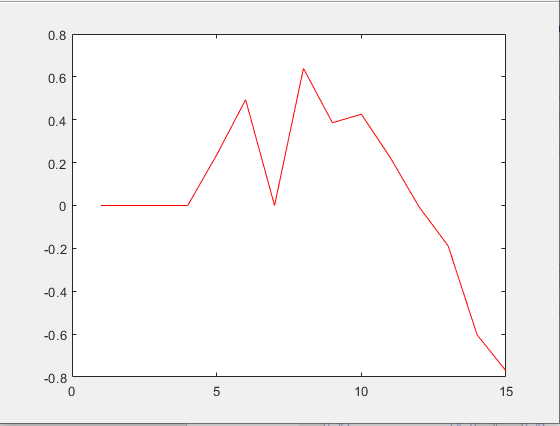




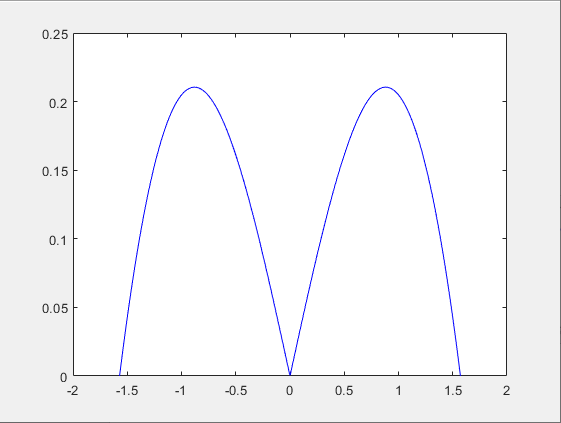
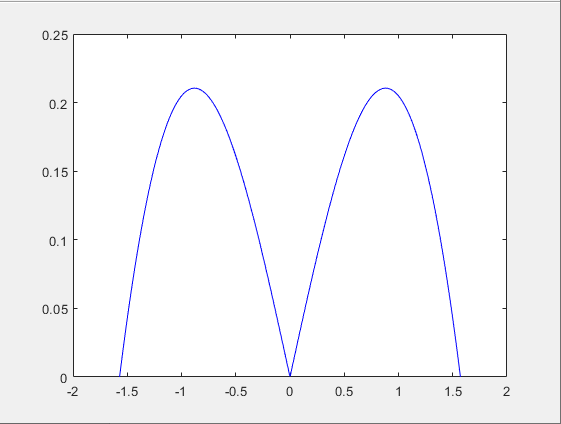
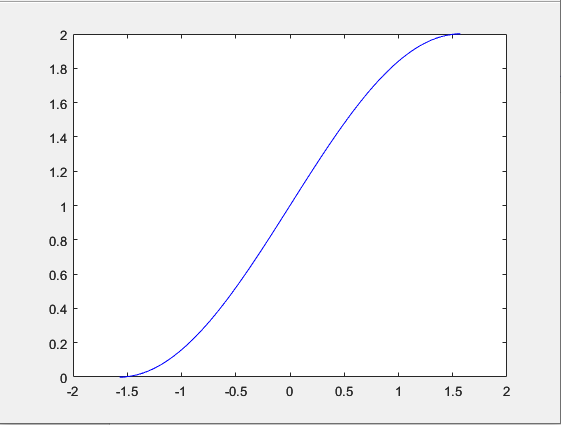


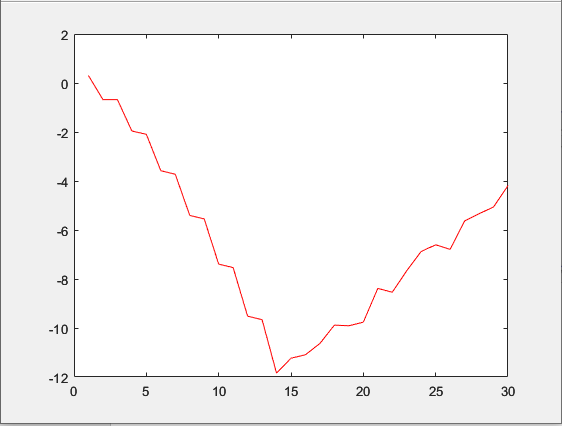
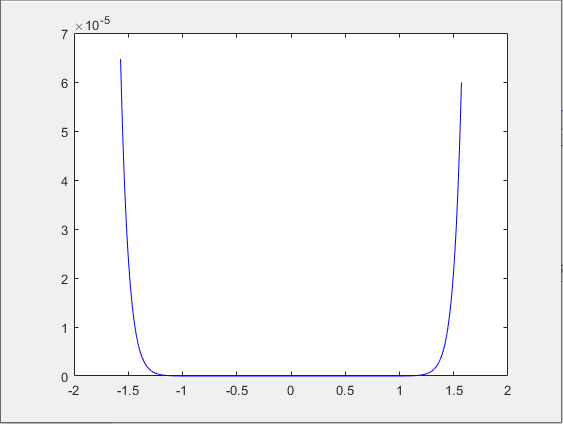
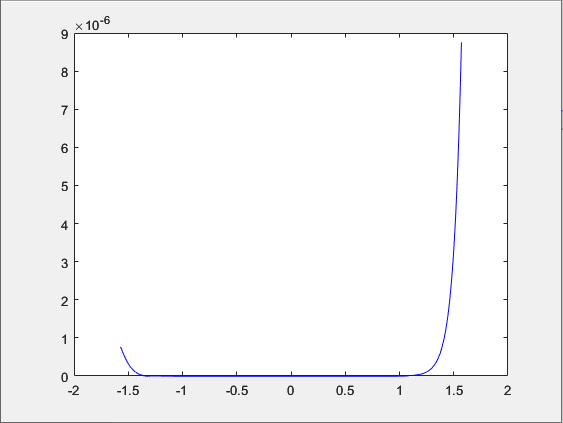
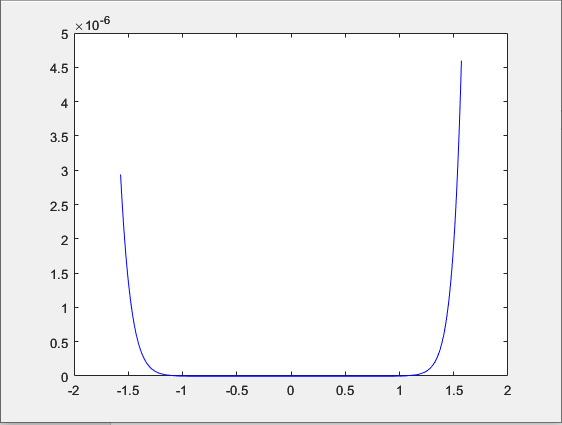
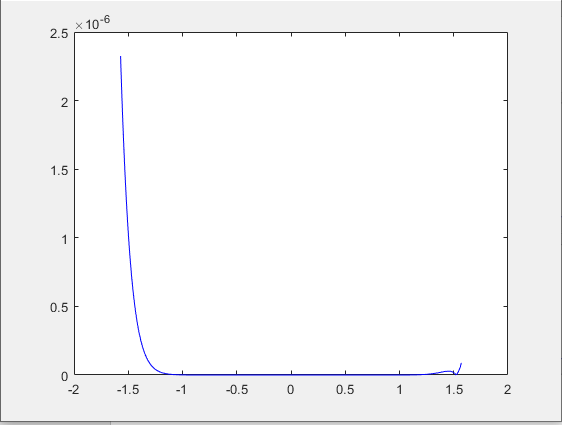
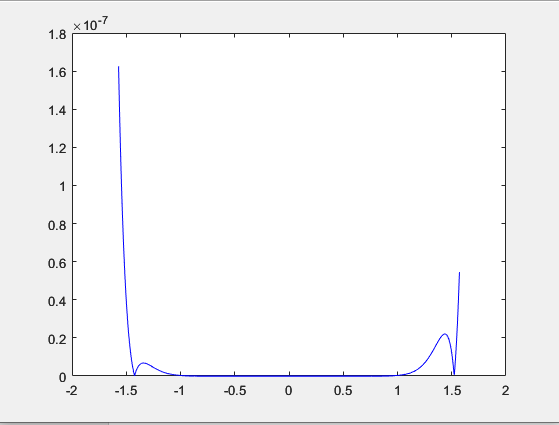
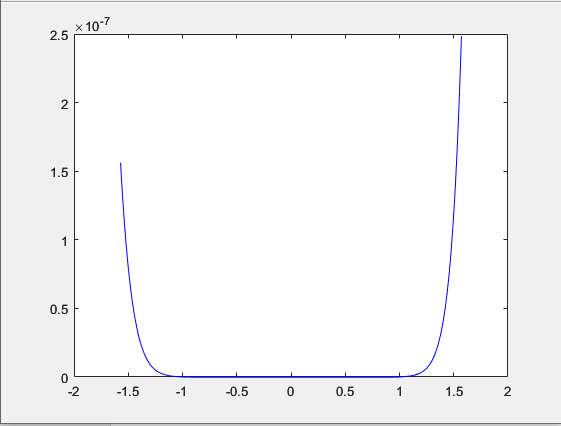
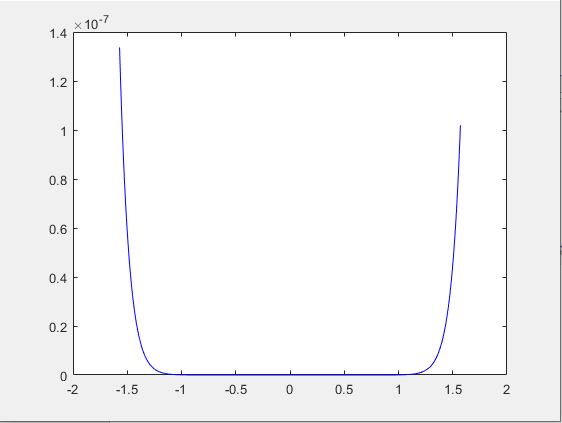
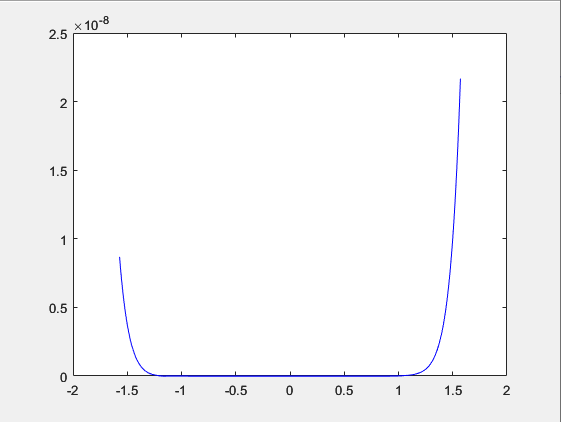
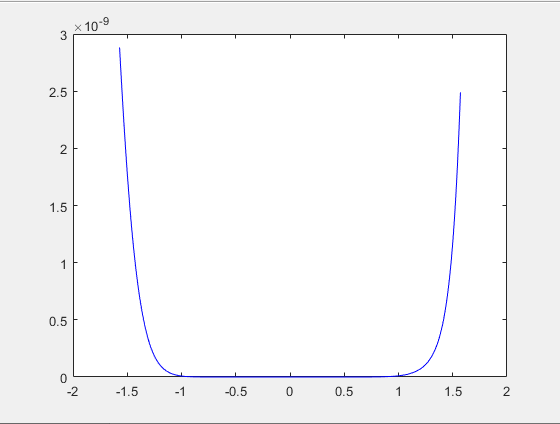
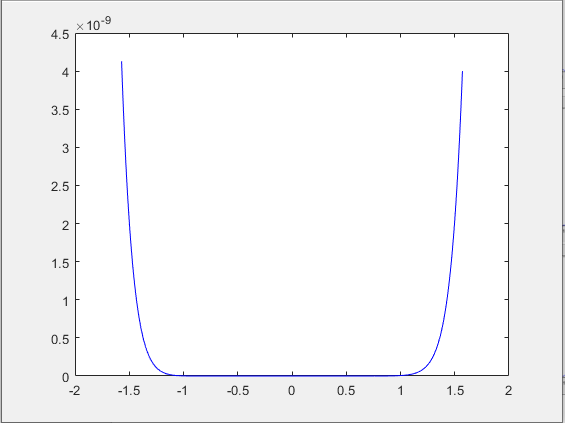
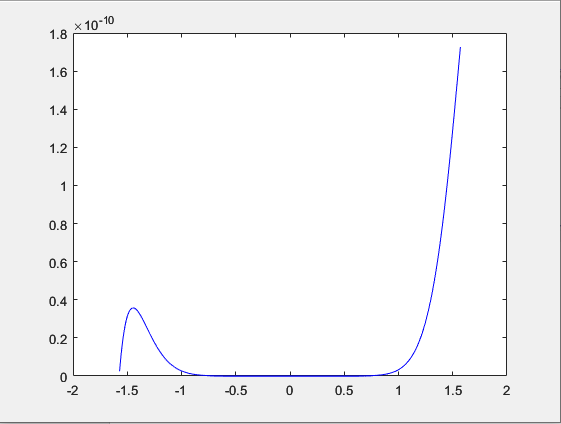
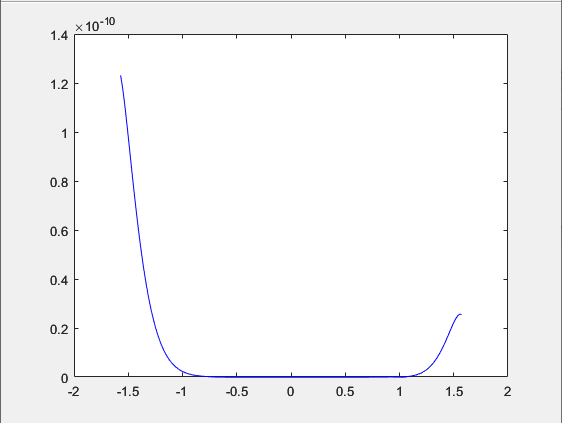
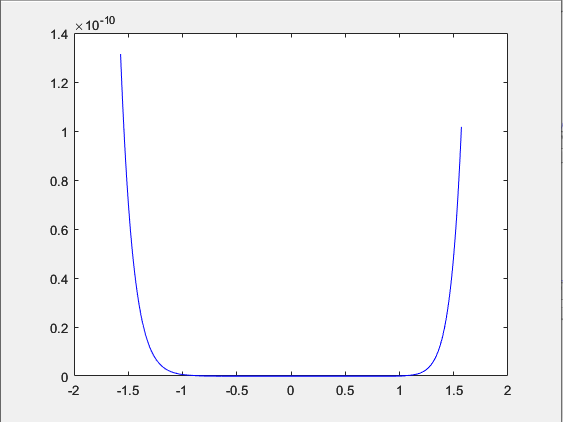
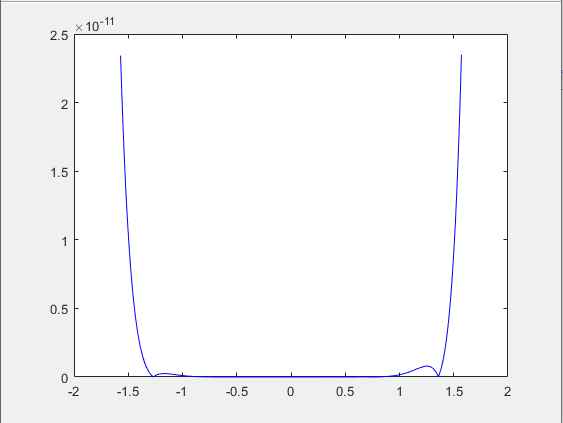
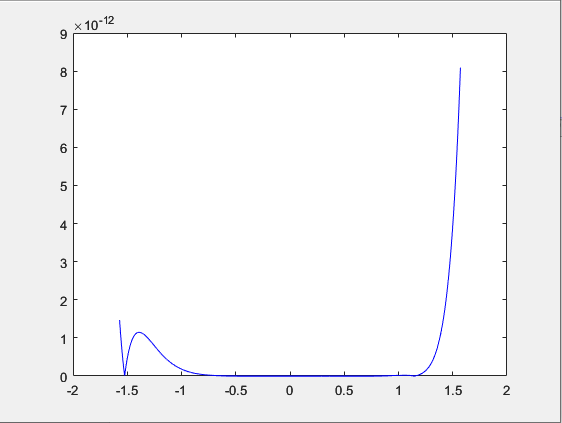
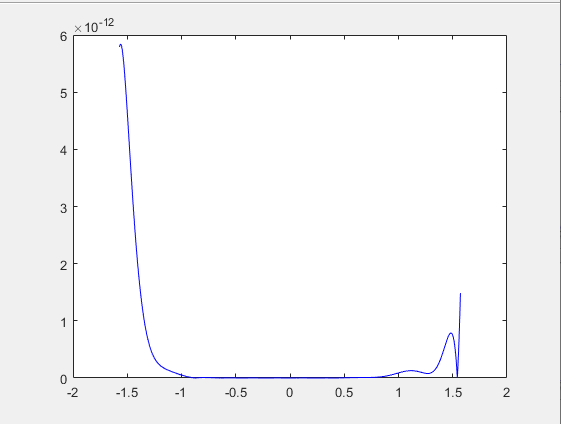
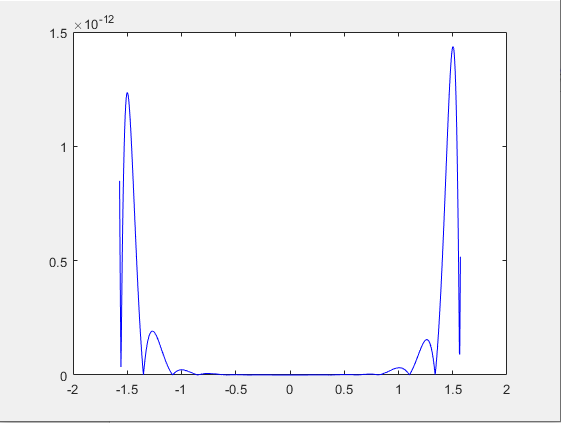
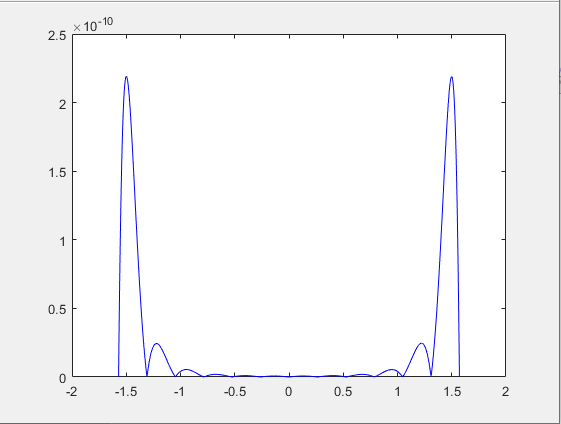
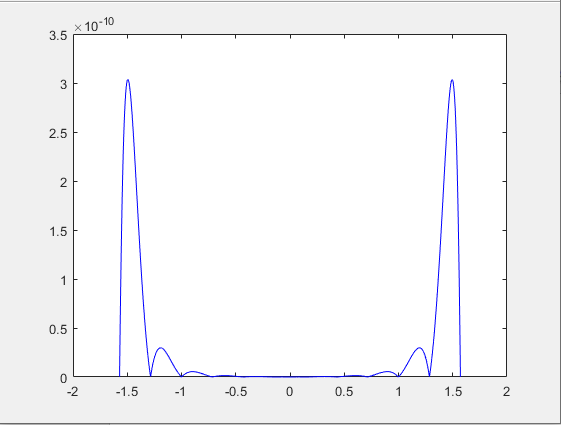
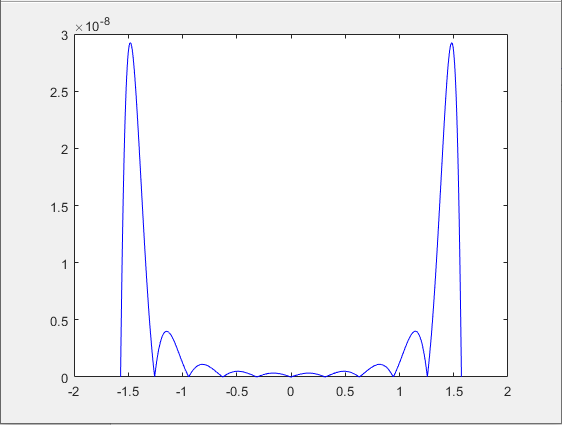
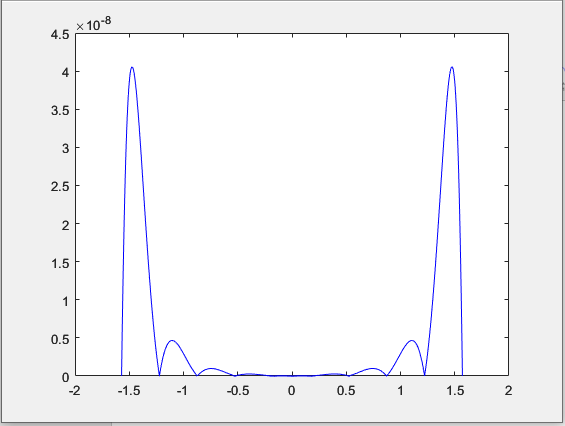
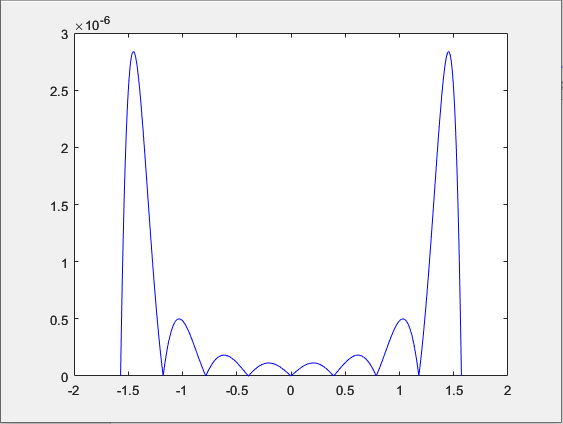
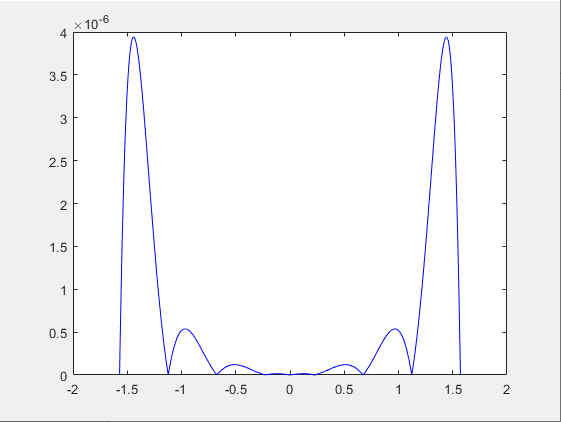
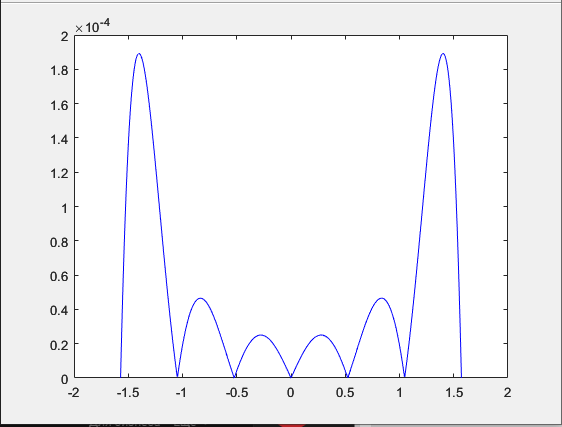
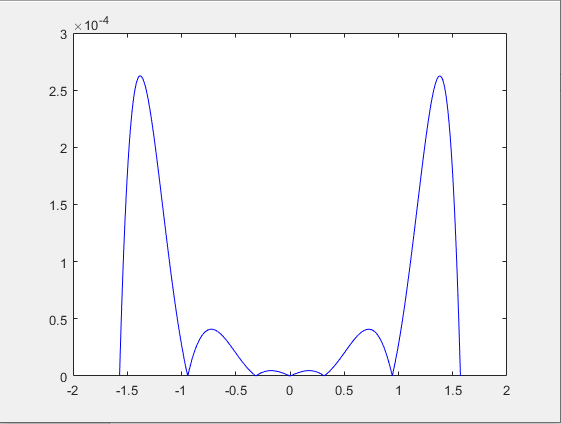
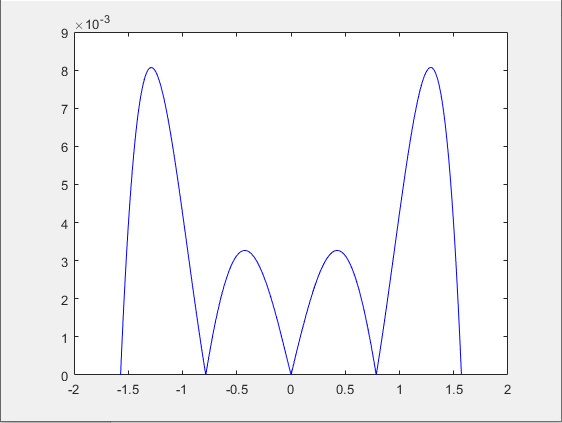
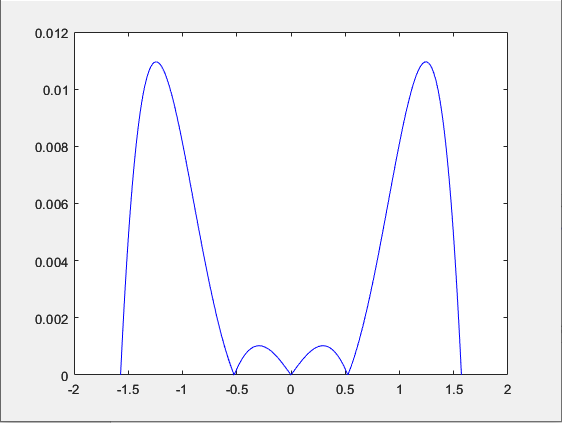






\* [-pi/2; pi/2], m = 30



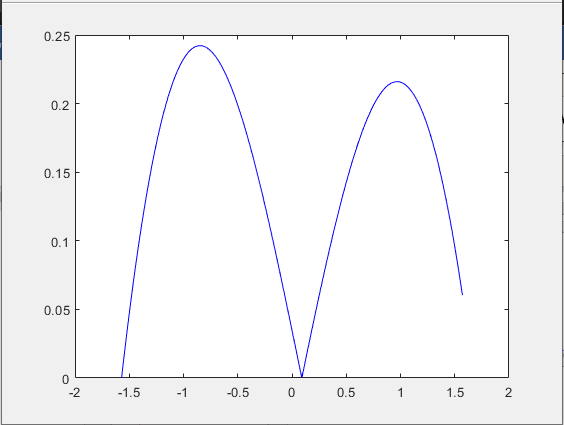
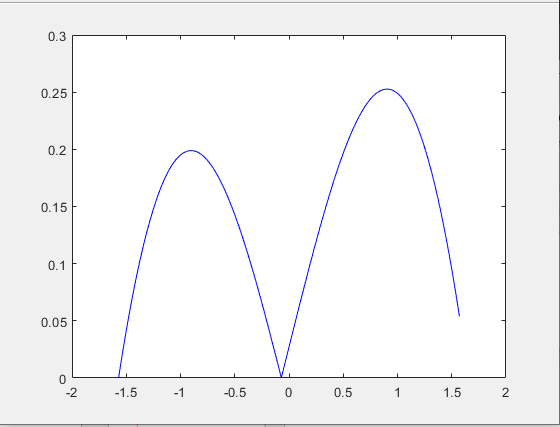
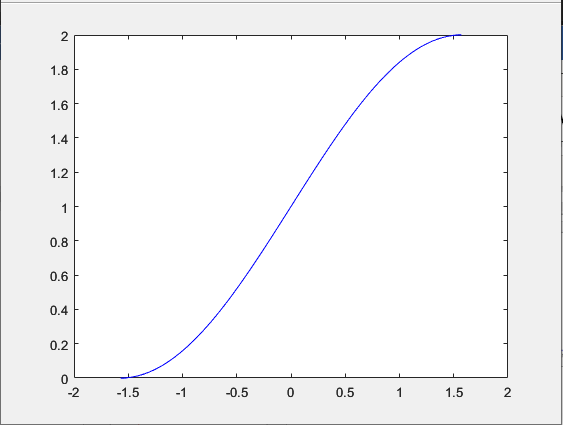


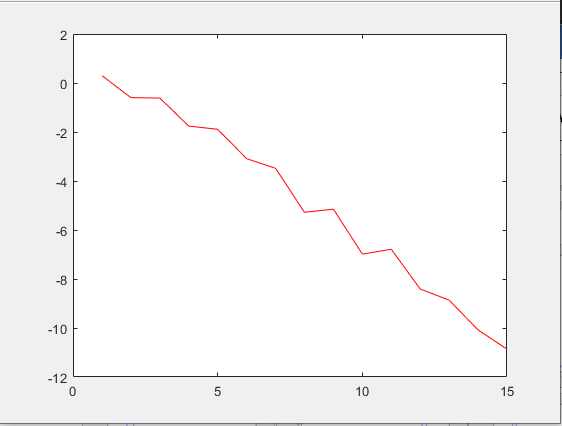
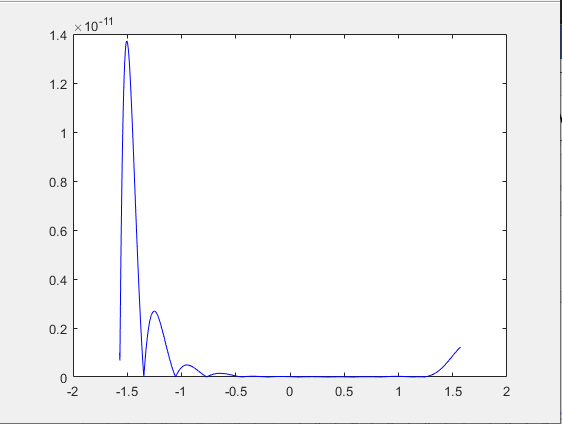
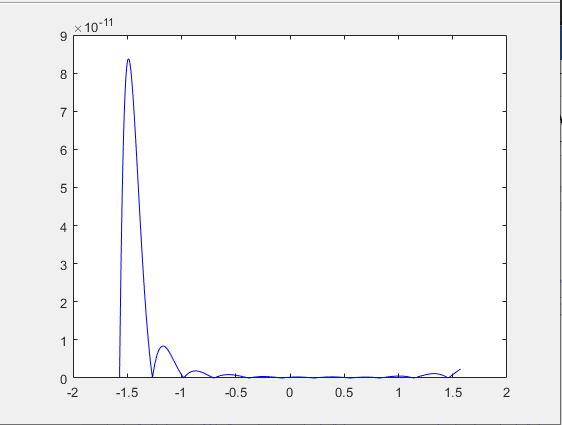
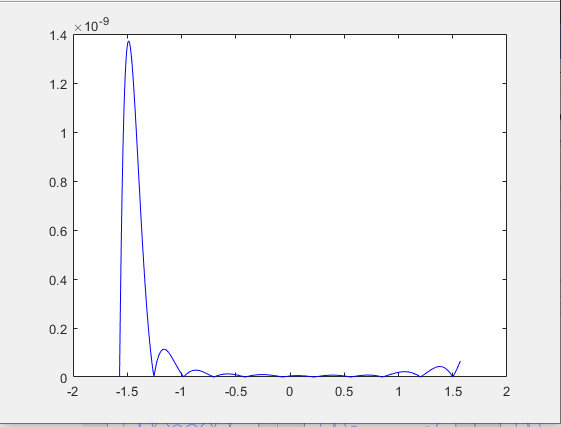
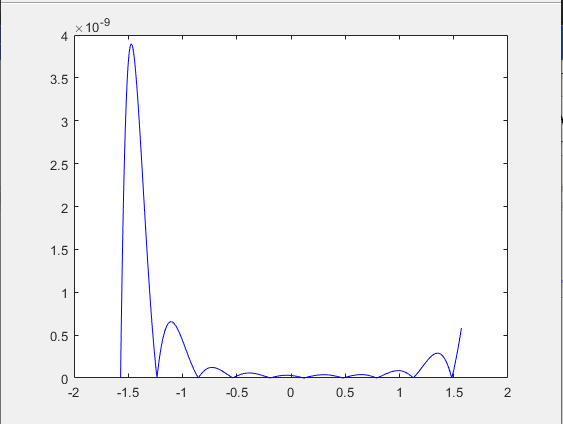
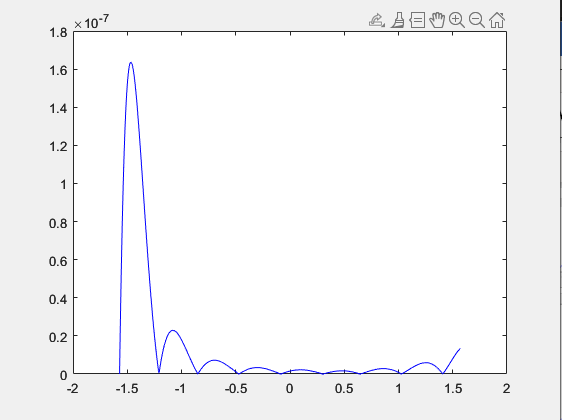
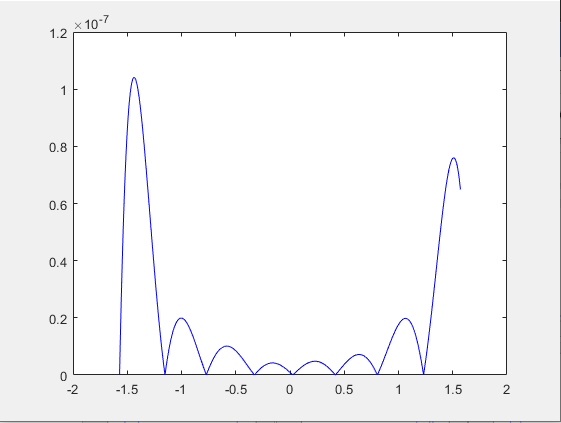
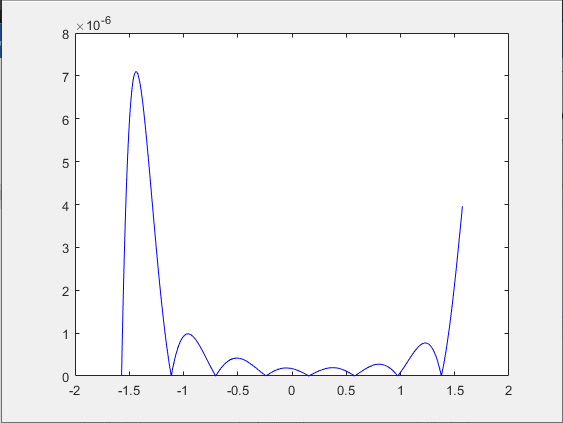
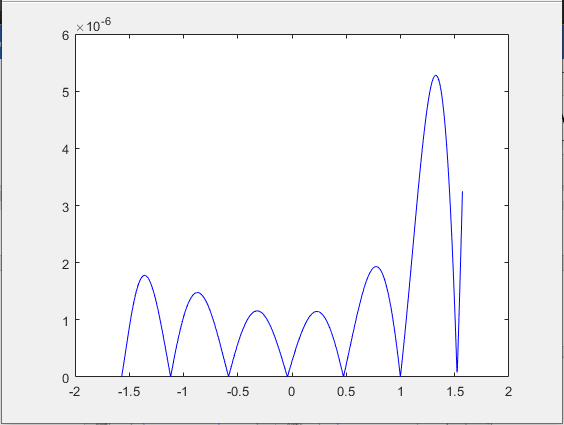
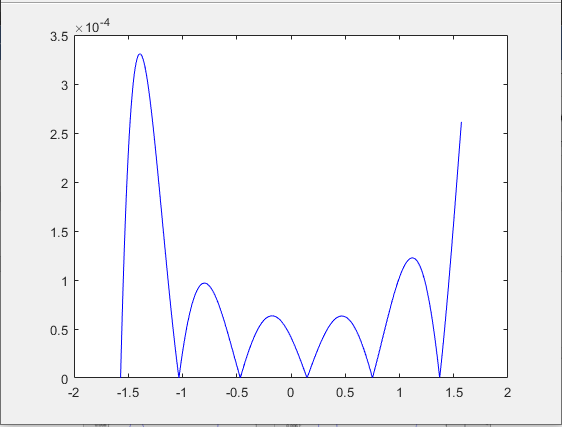
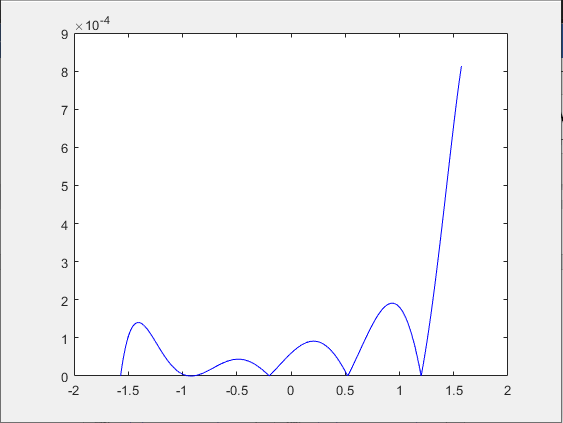
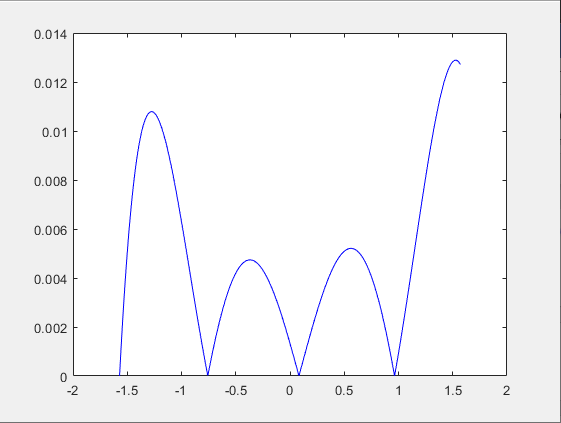
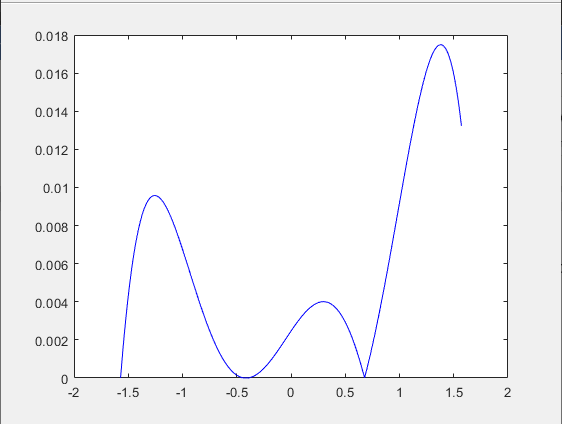
Добавление погрешности к заданным узлам интерполяции с помощью функции rand():

* [a;b]: [-pi/2; pi/2], m = 15
* Уровень: 0.1, 0.01, 0.001

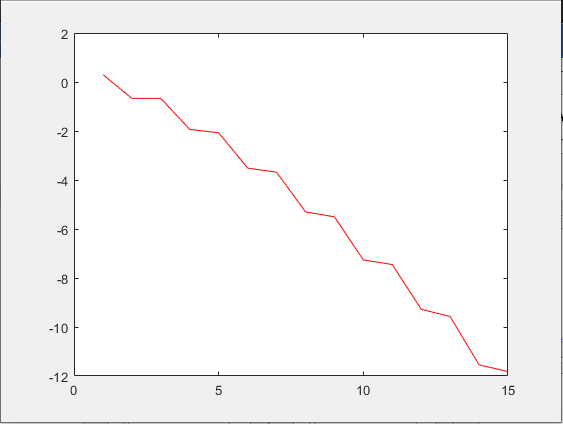
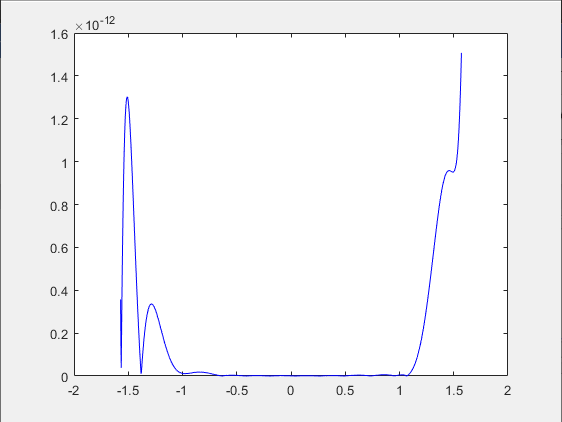
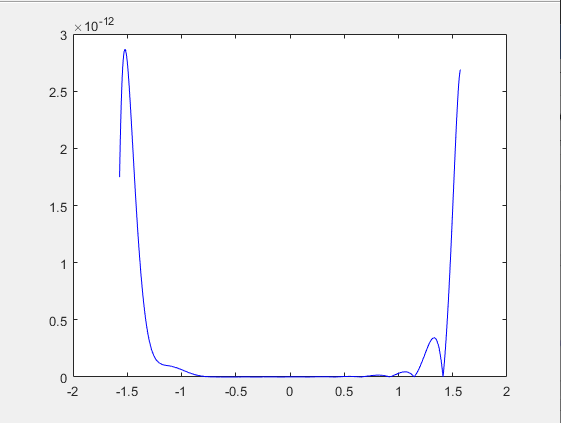
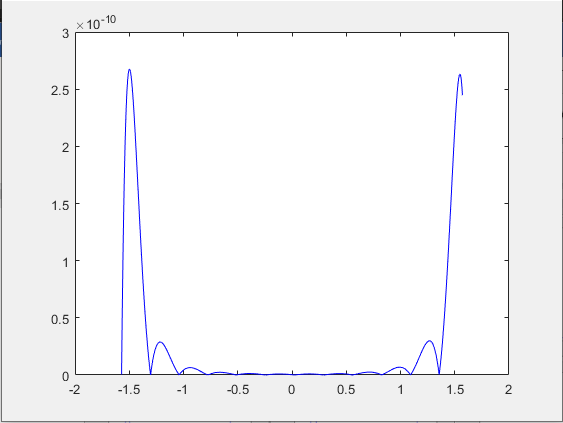
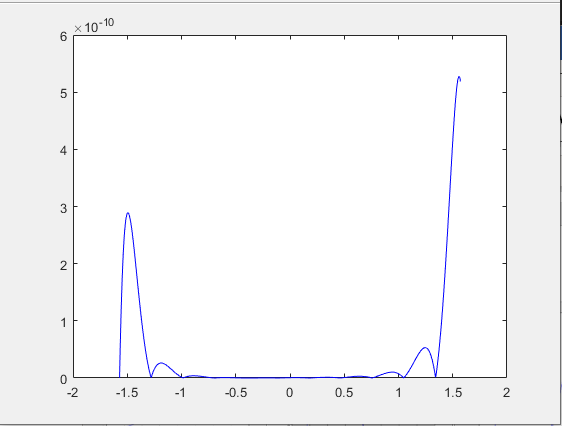
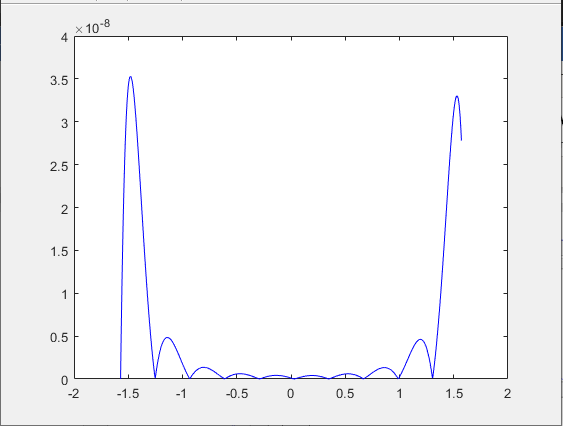
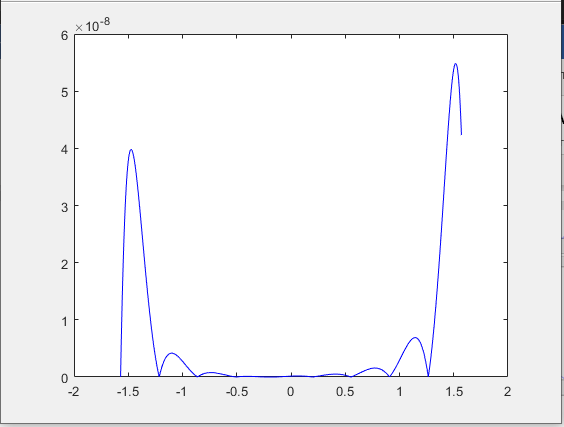
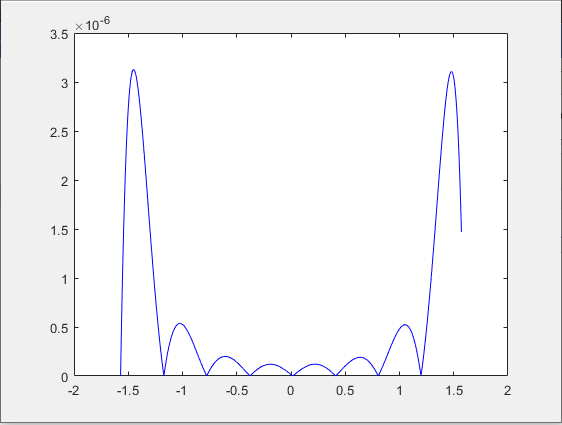
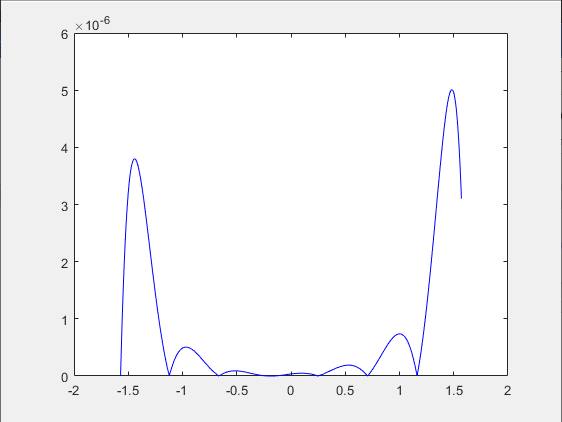
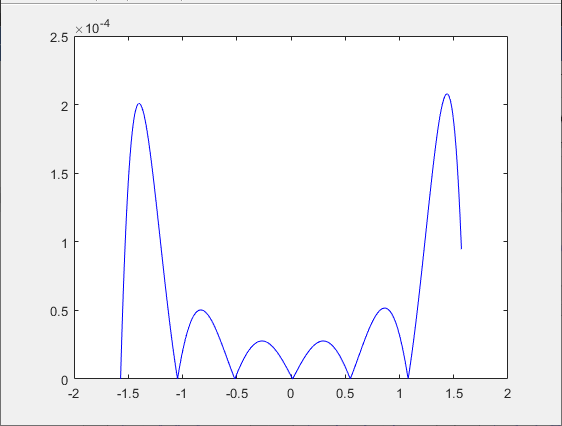
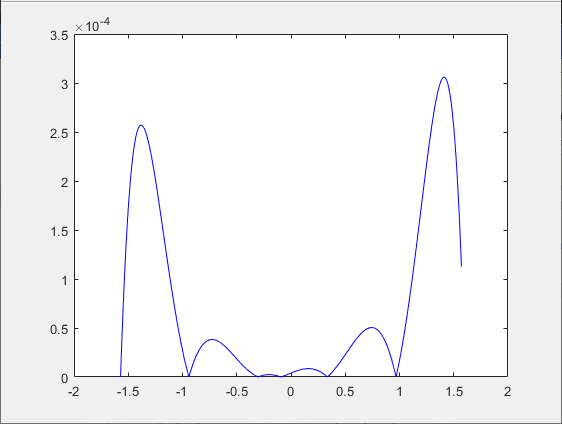
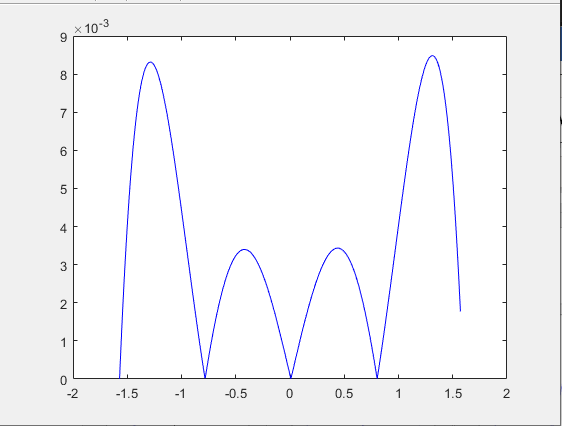
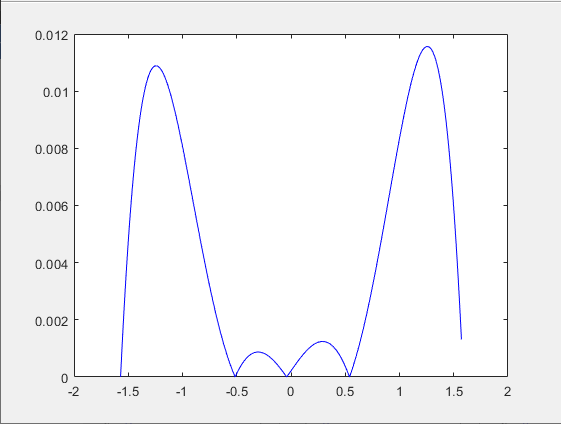
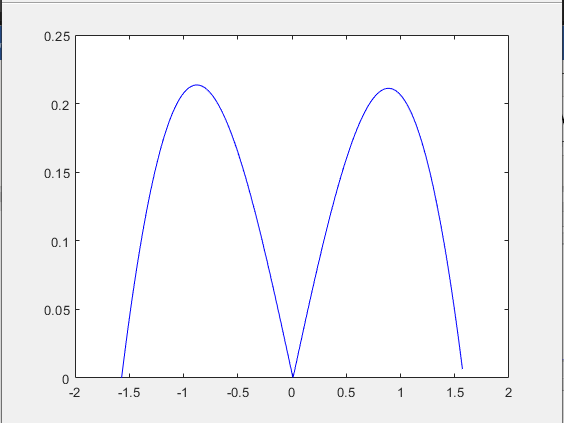
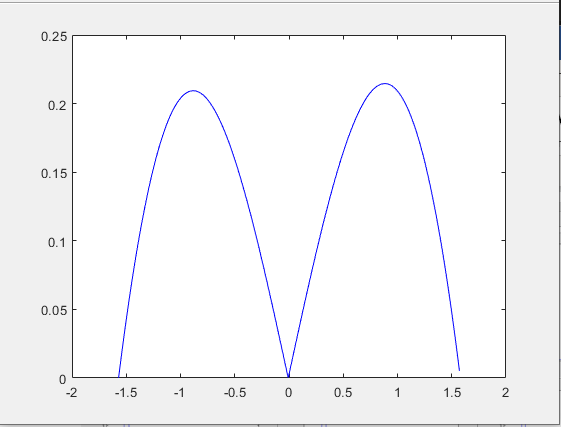
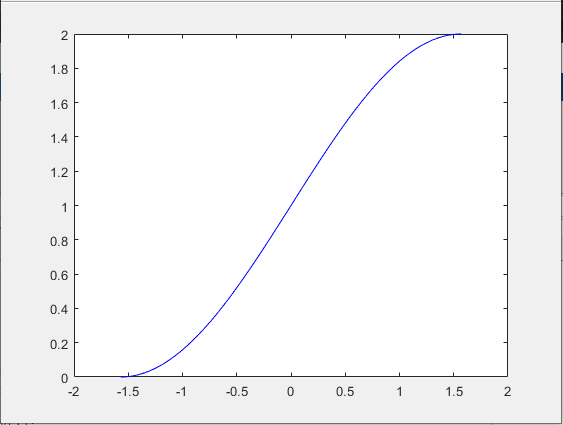
Уровень:

\* 0.1:





\* 0.01:



\* 0.001:

