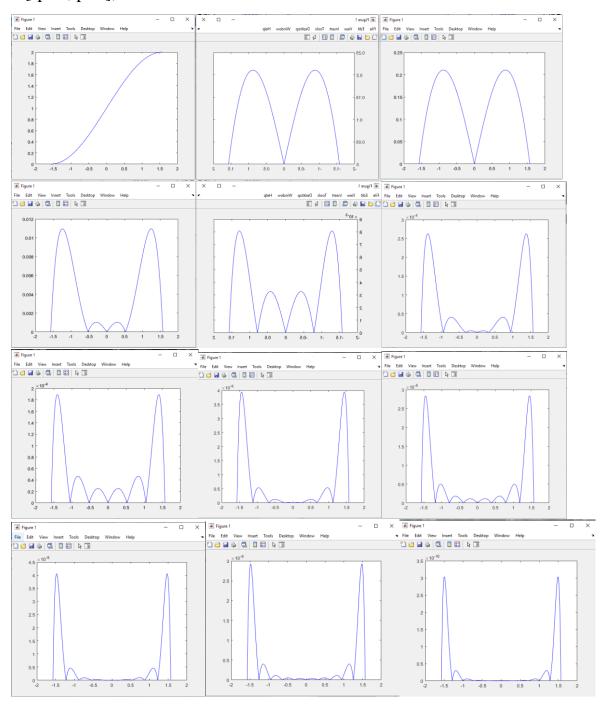
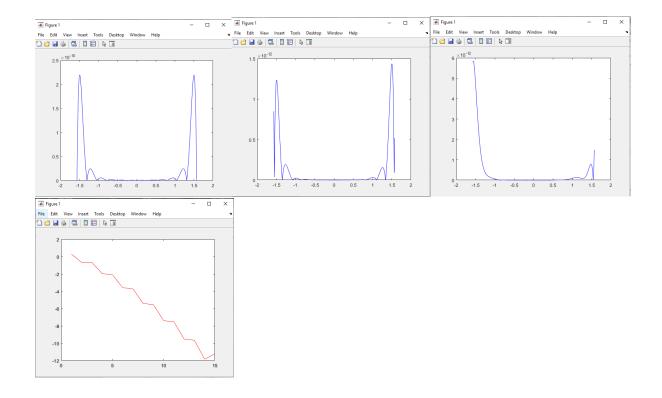
### Выполнил: Смоленцев Роман Юрьевич, гр. 3530901/10006

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

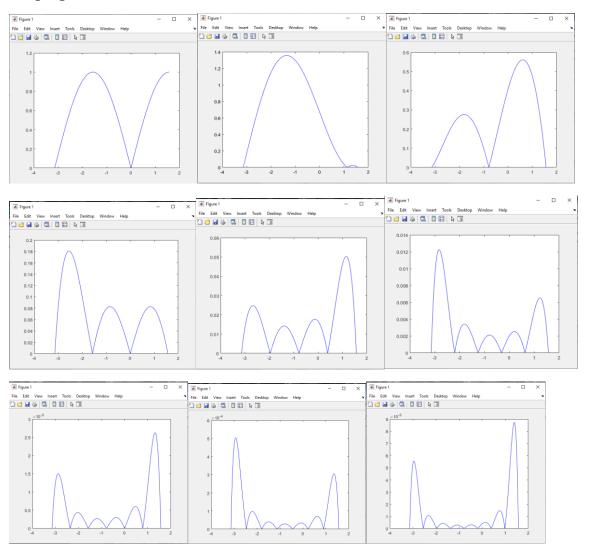
### 1. Для [a;b]:

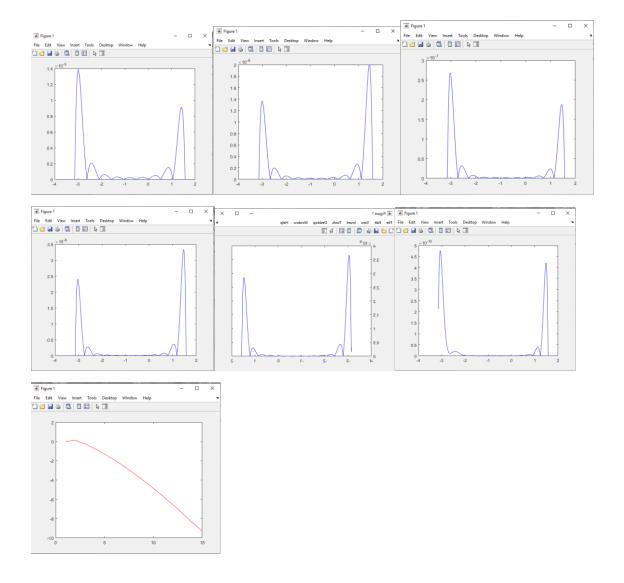
\* [-pi/2; pi/2], m = 15



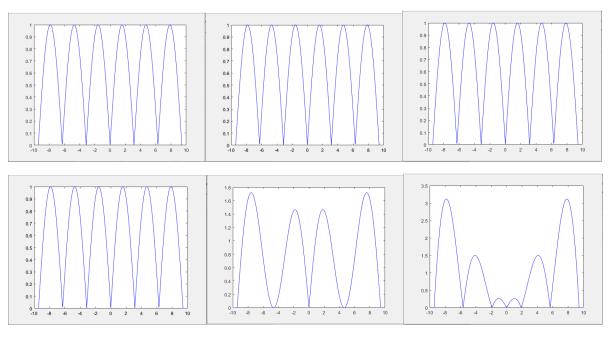


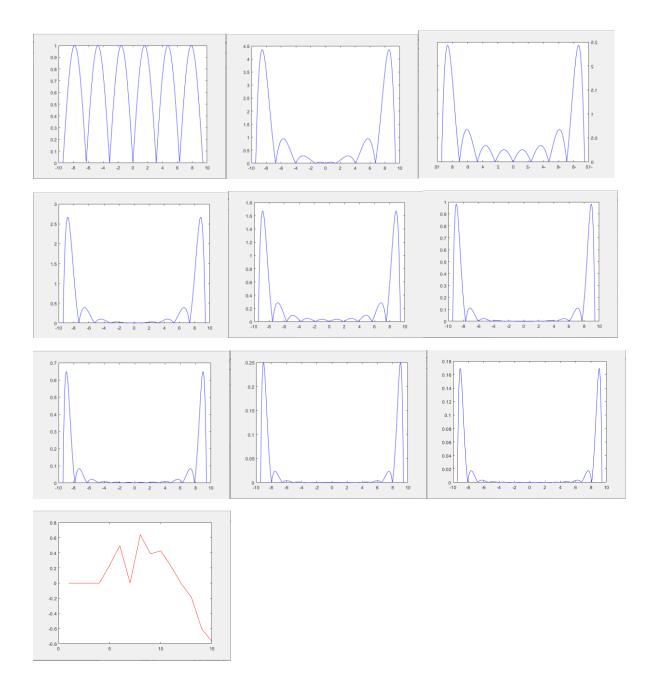
## \* [-pi; pi/2], m = 15;



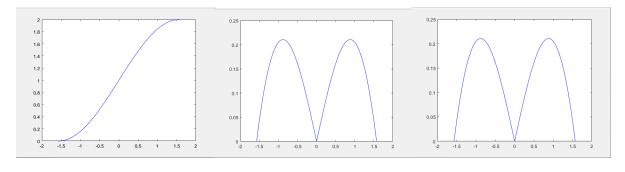


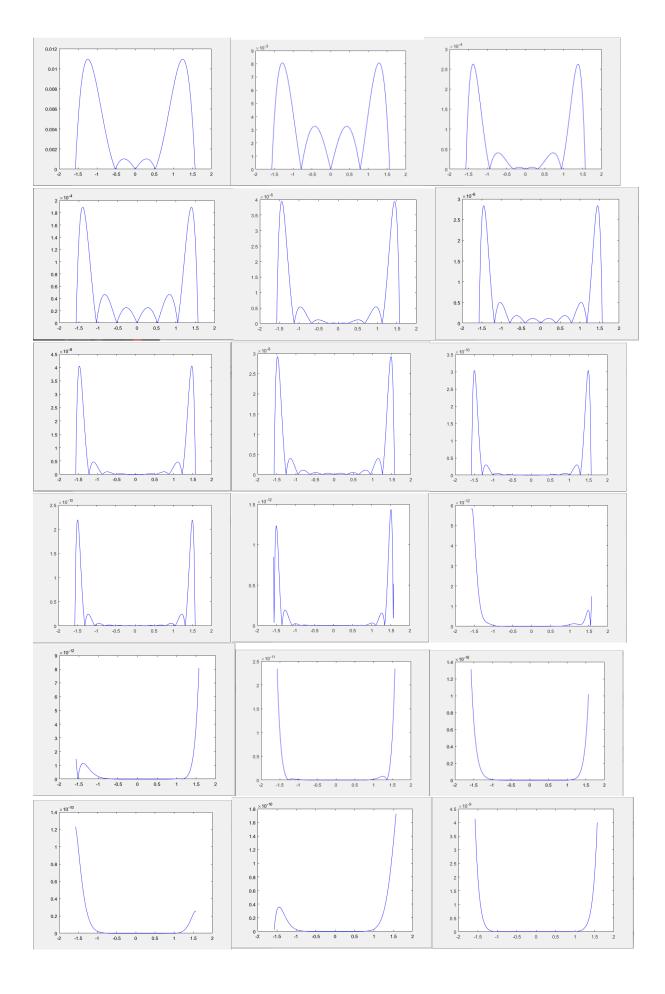
# \* [-3\*pi; 3\*pi], m = 15;

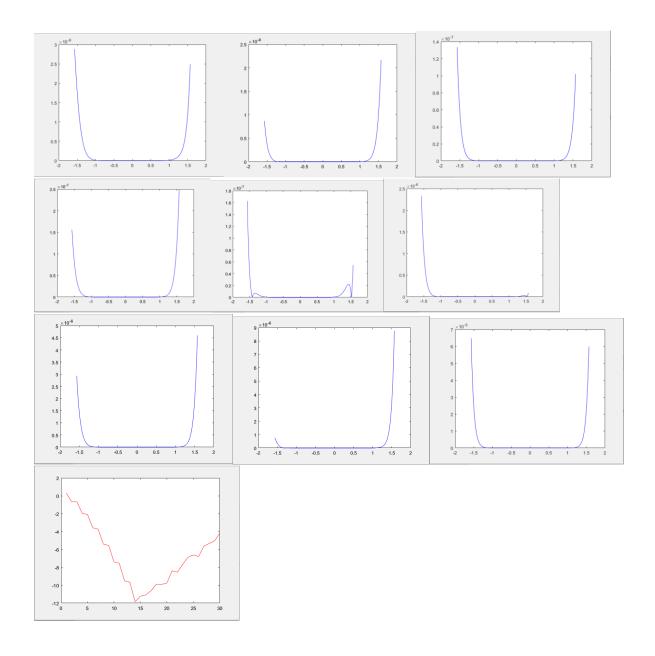




# \* [-pi/2; pi/2], m = 30





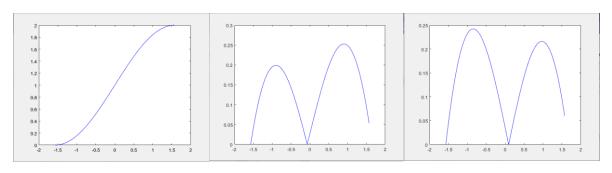


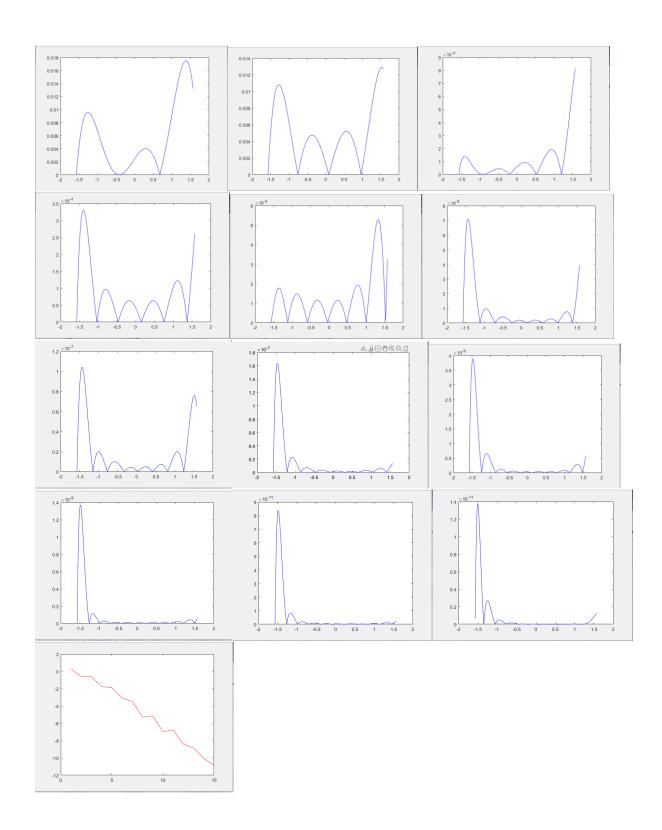
Добавление погрешности к заданным узлам интерполяции с помощью функции rand():

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

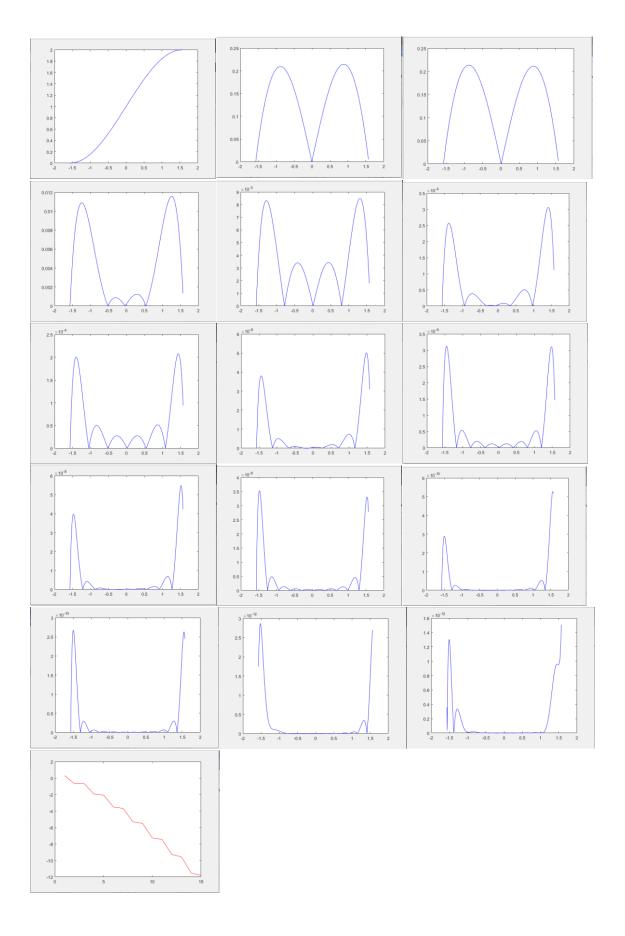
# Уровень:

## \* 0.1:





\* 0.01:



# \* 0.001:

