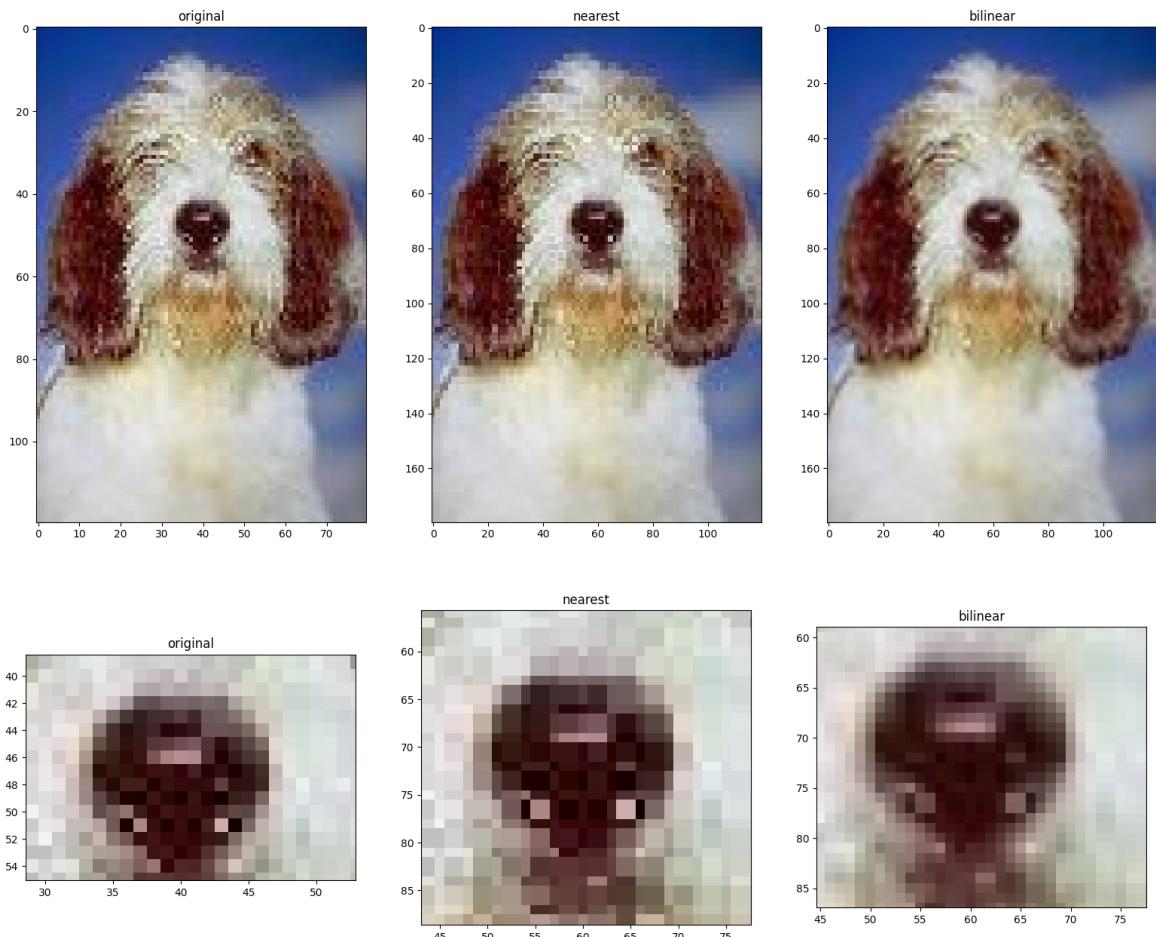


# *SM\_LAB03 - Próbkowanie i zmiana rozmiaru obrazu*

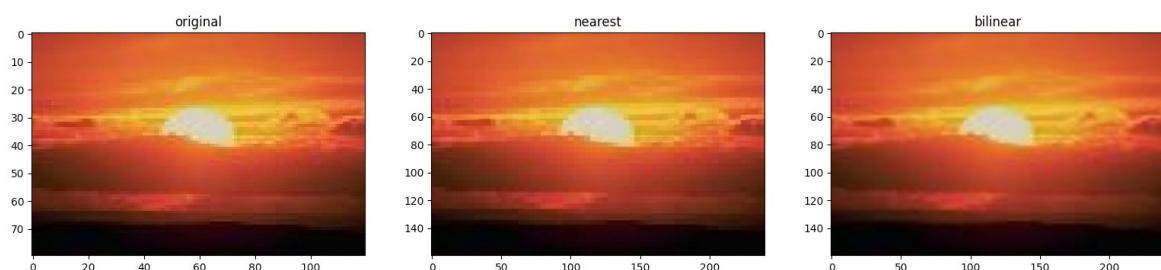
*Hubert Łukomski (46586), grupa 332*

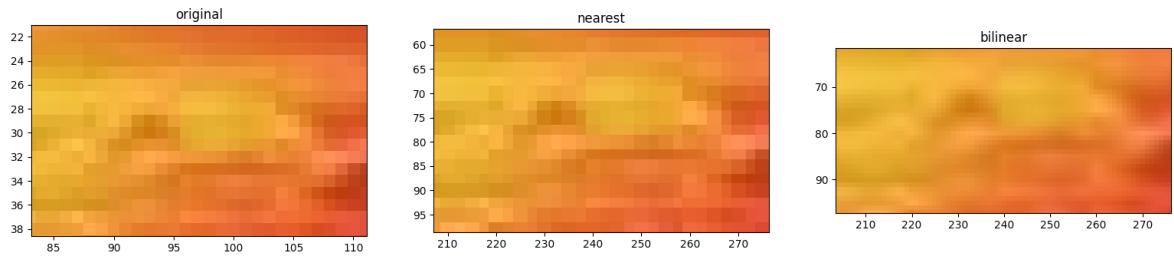
## 1. Porównanie algorytmów do powiększania obrazów (o 50%)



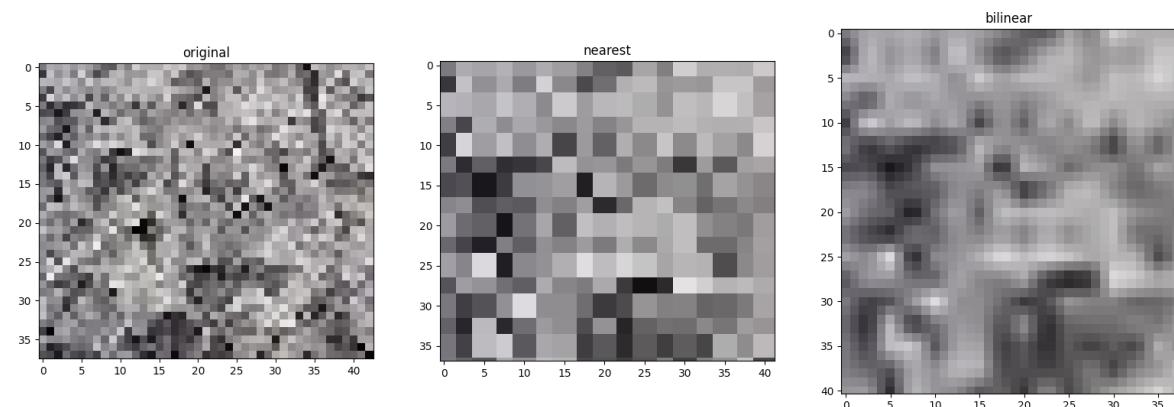
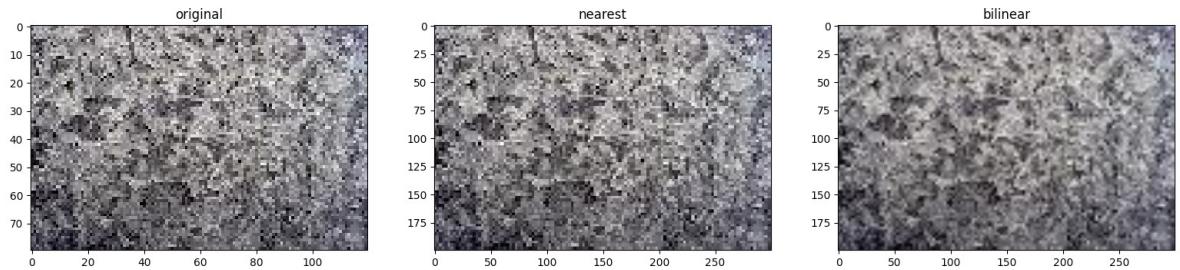
nos

## 2. Porównanie algorytmów do powiększania obrazów (o 100%)

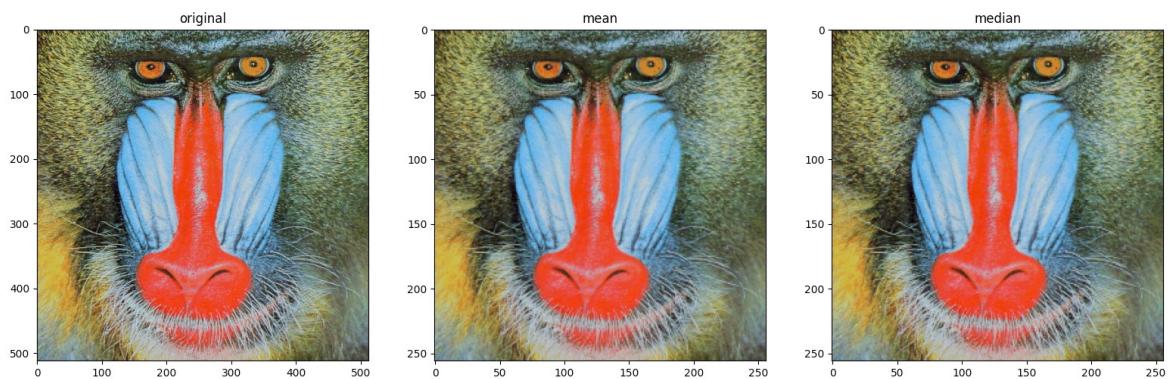


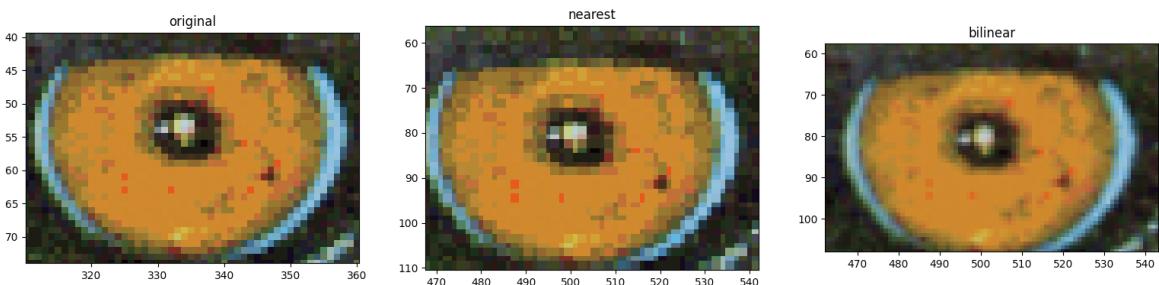


### 3. Porównanie algorytmów do powiększania obrazów (o 150%)

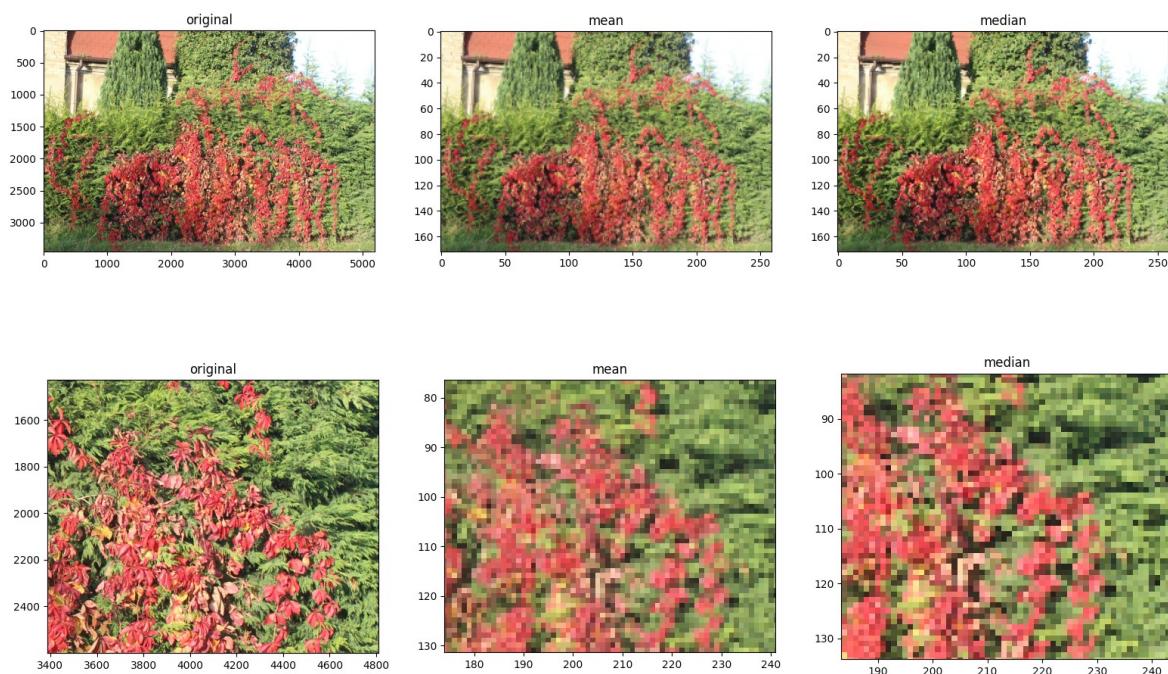


#### 4. Porównanie algorytmów do pomniejszania obrazów (o 50%)





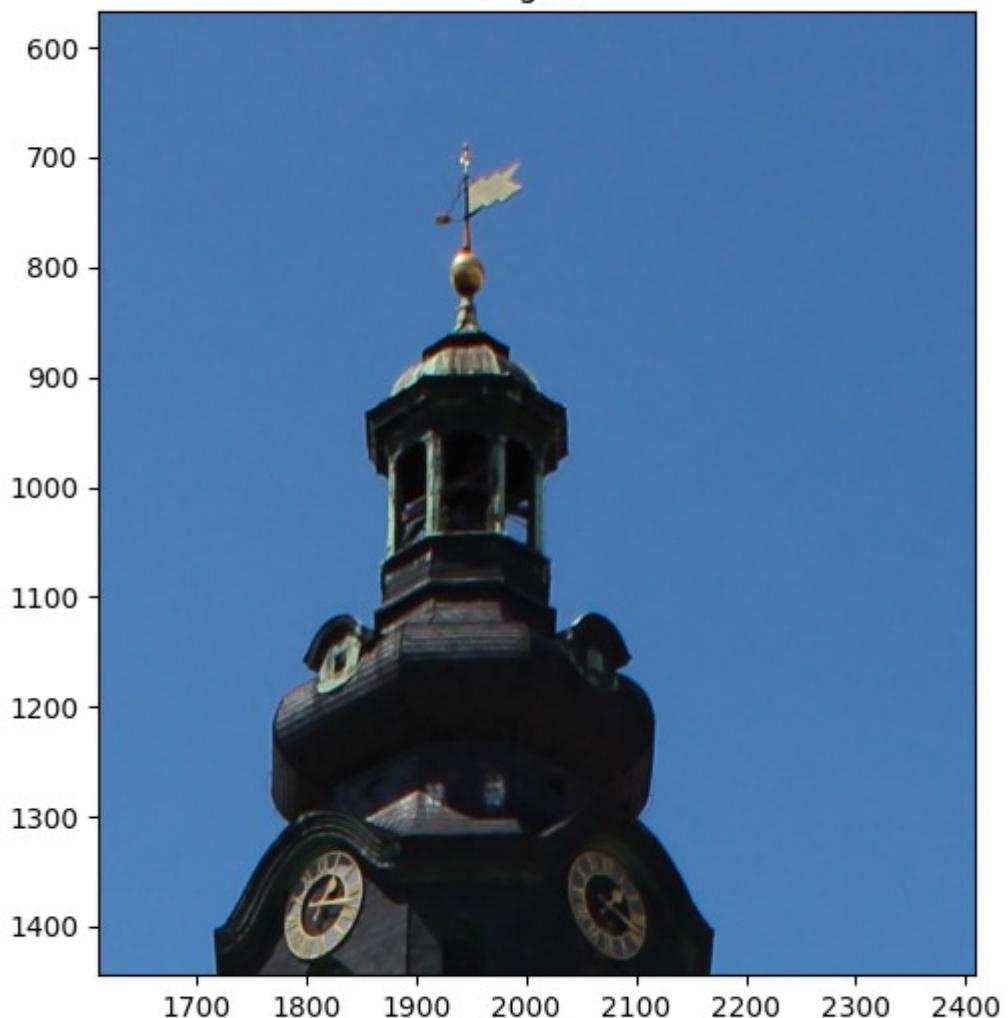
## 5. Porównanie algorytmów do pomniejszania obrazów (zmniejszenie do 5%)



## 6. Porównanie algorytmów do pomniejszania obrazów (zmniejszenie do 5%)

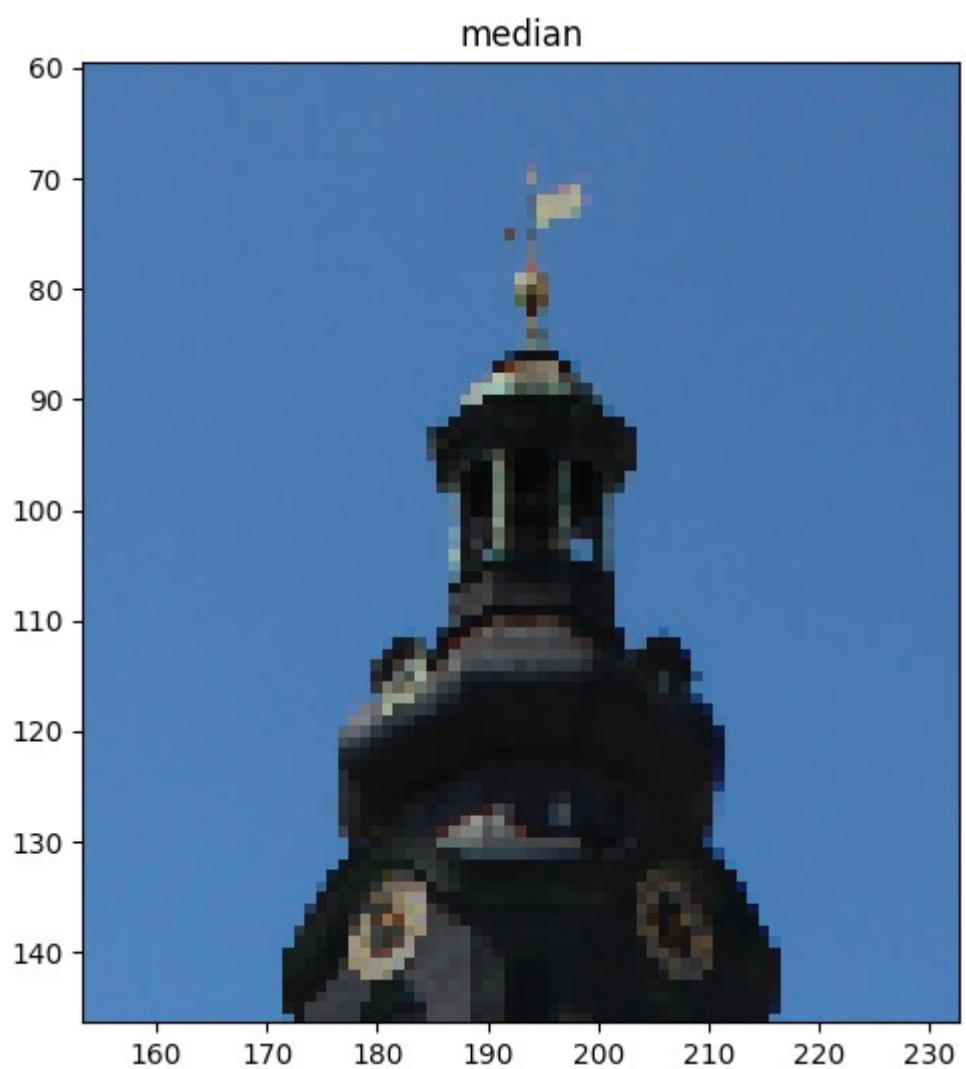


original

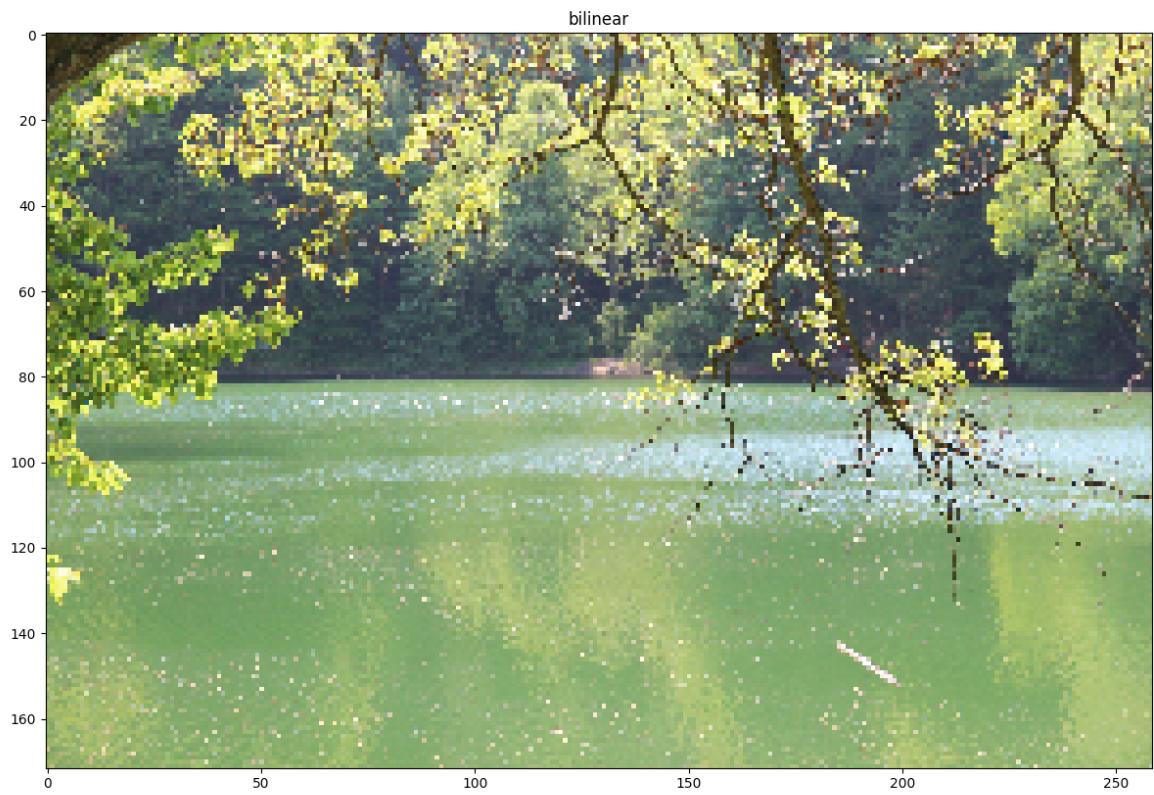
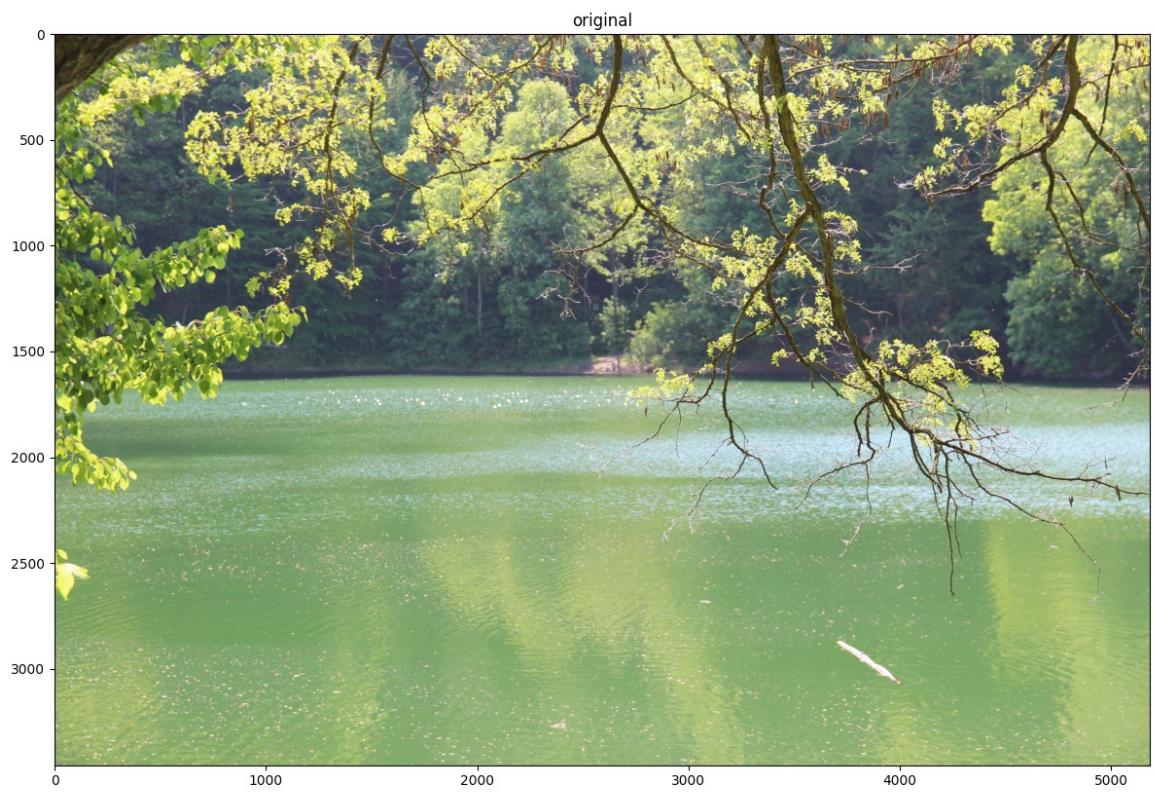


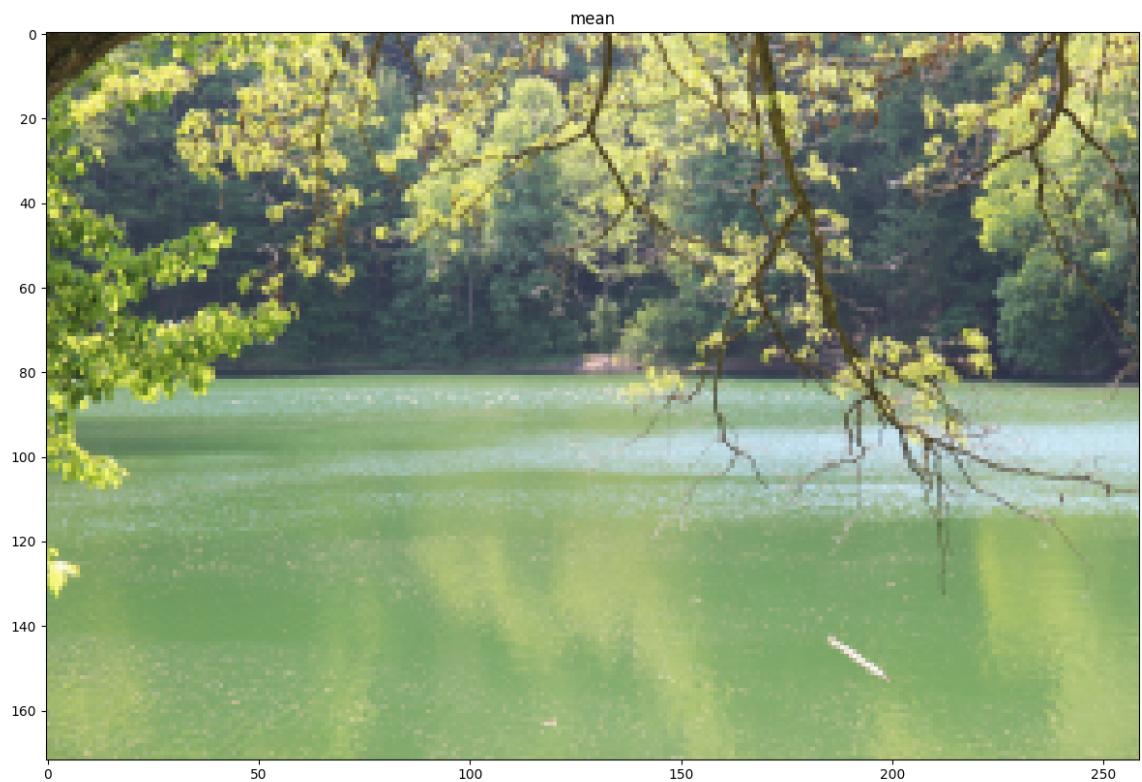
mean

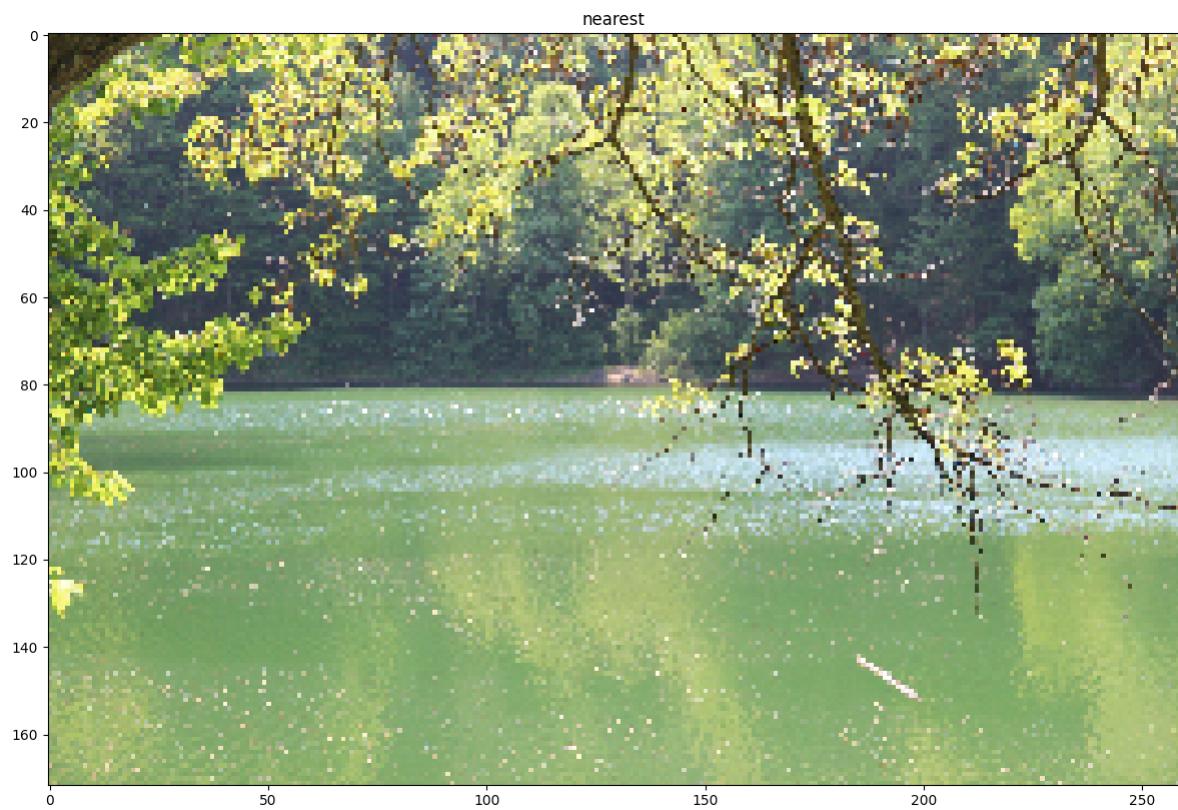




7. Zmniejszenie do 5% z użyciem wszystkich algorytmów.

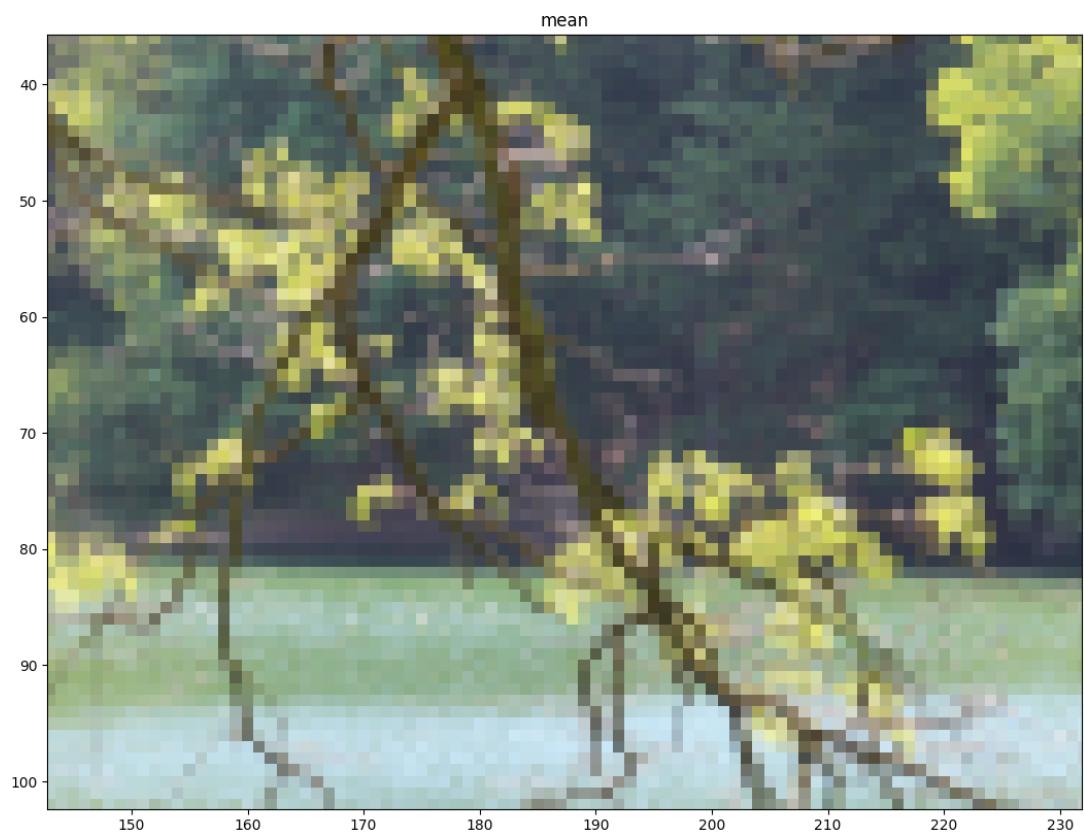


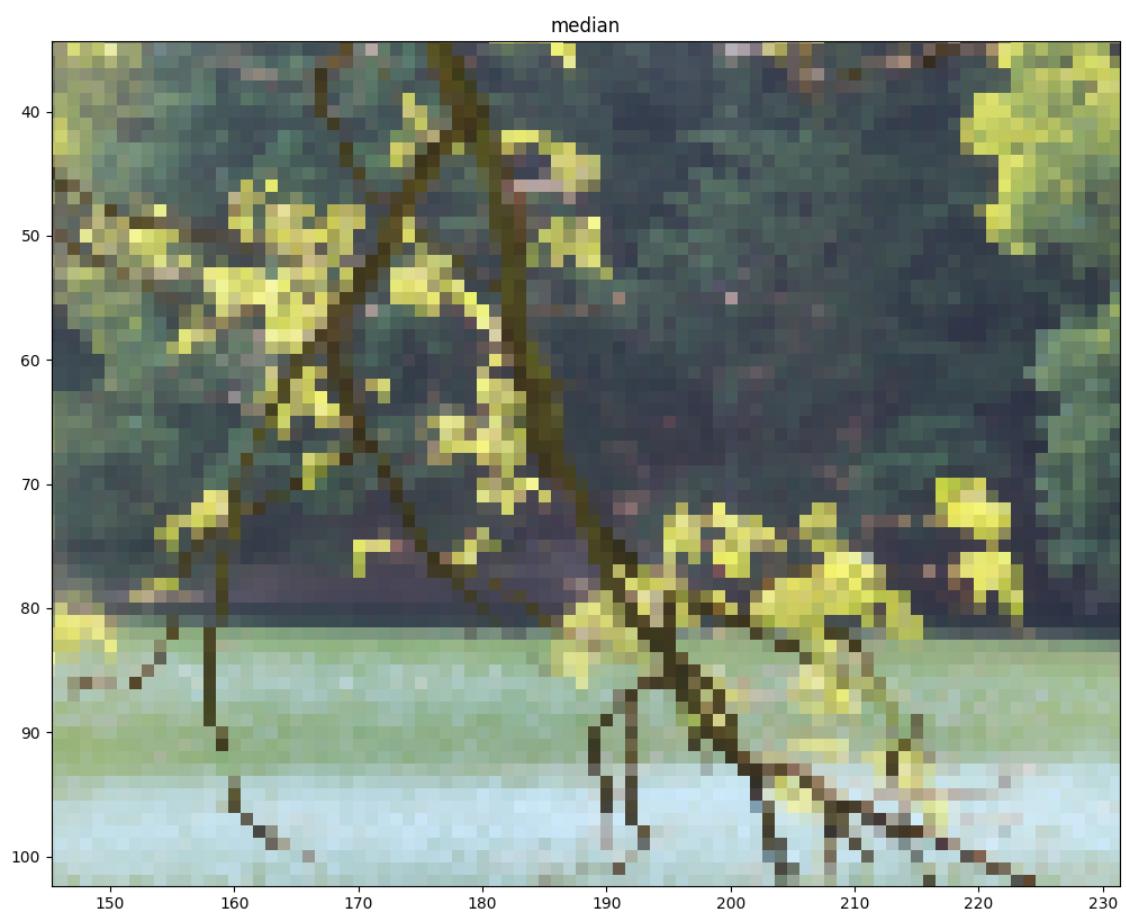


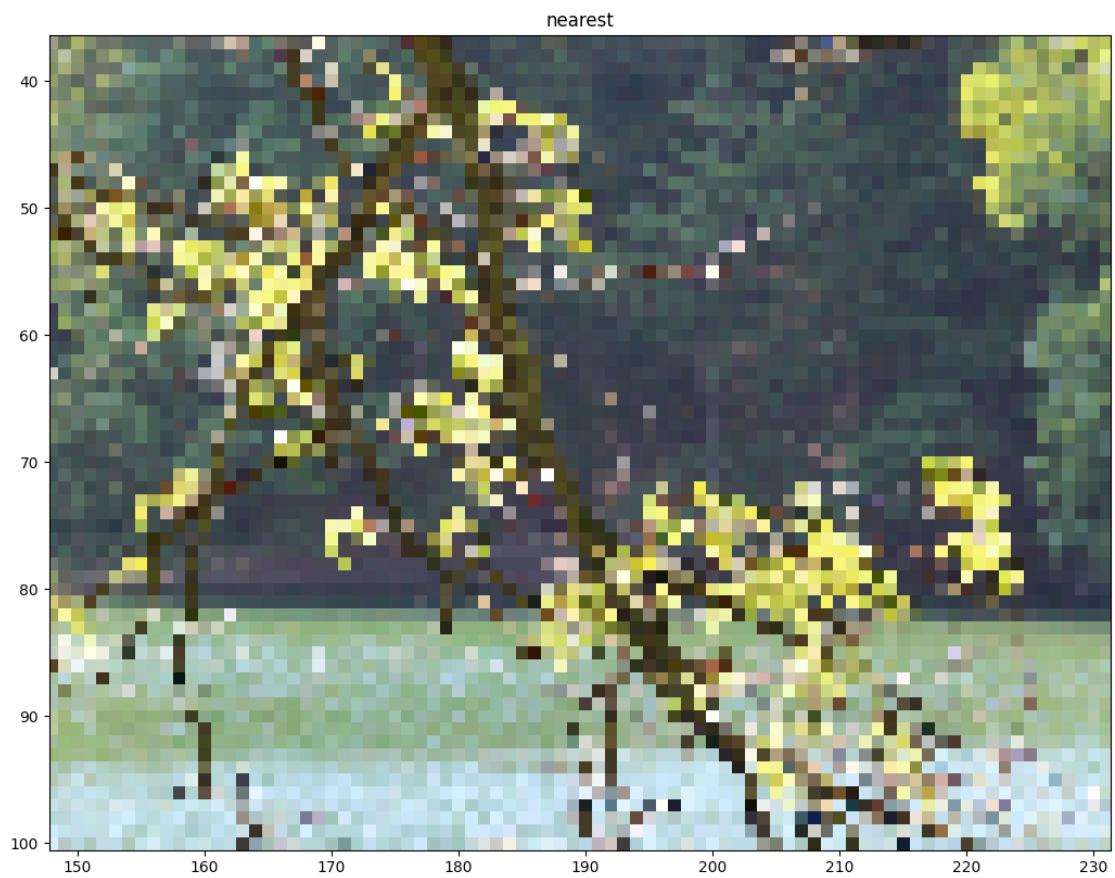


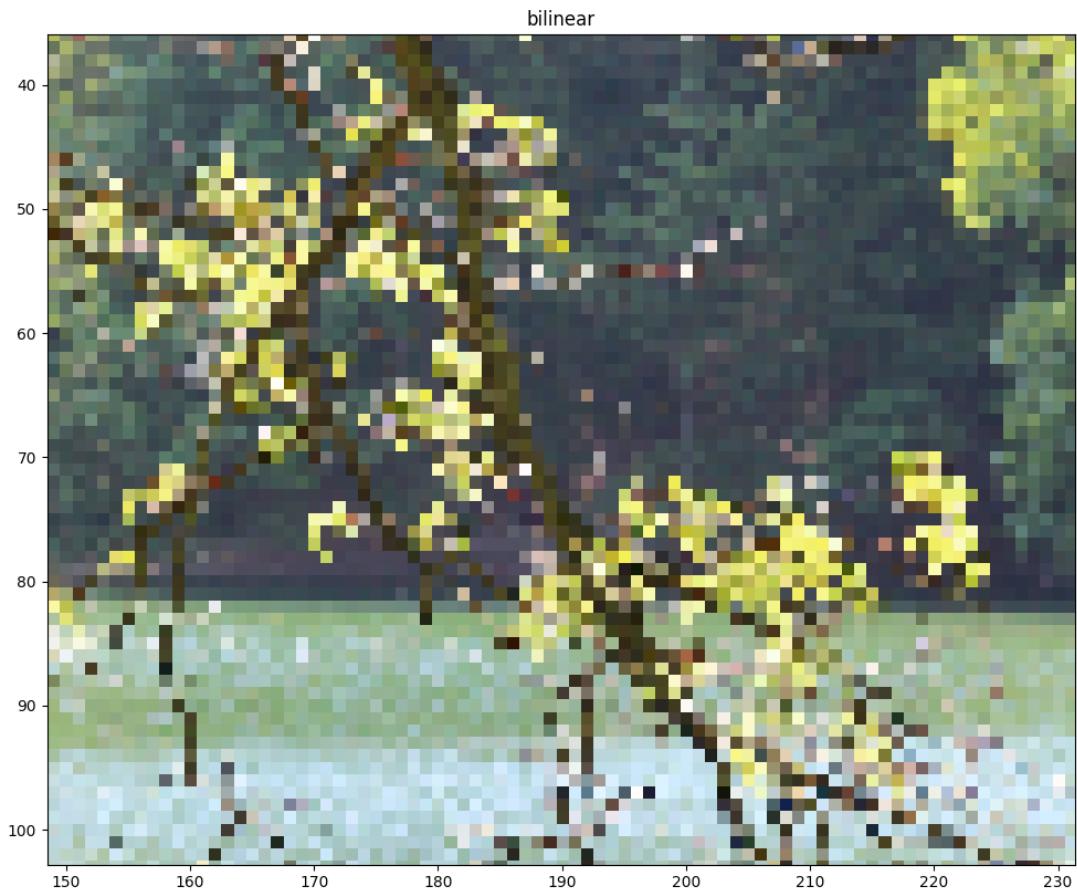
Porównanie szczegółów.



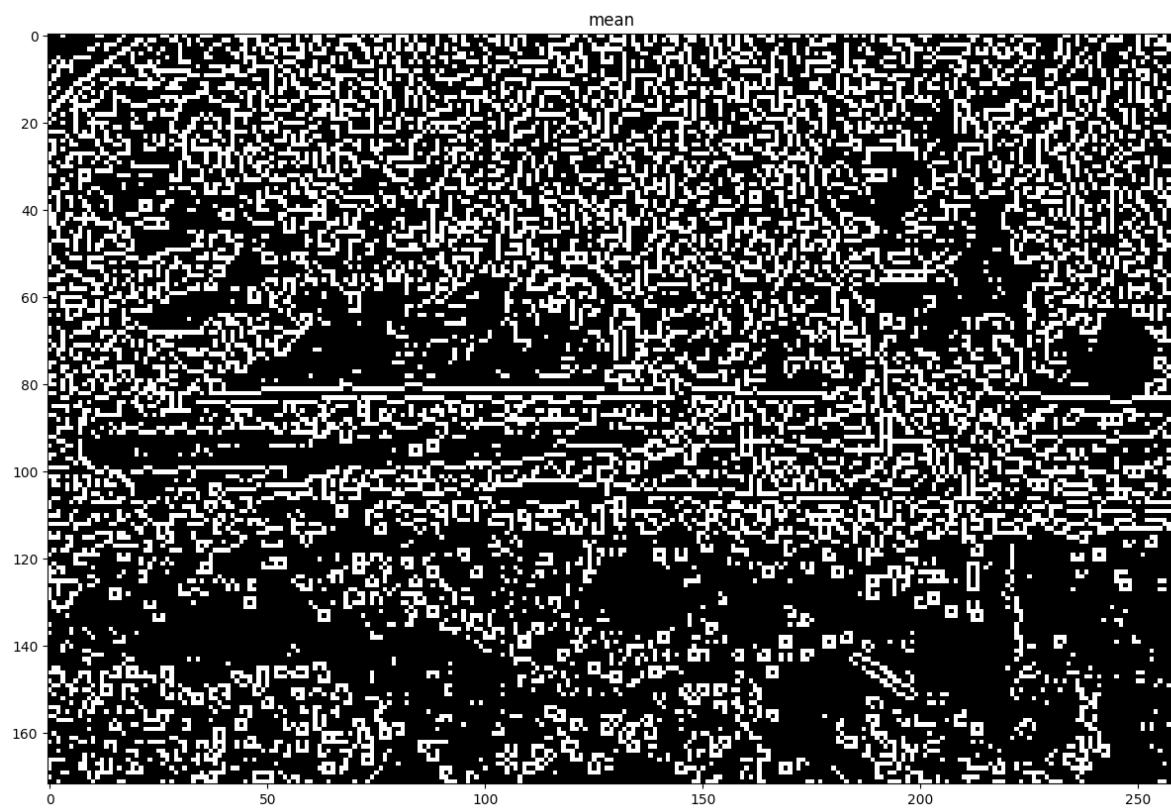
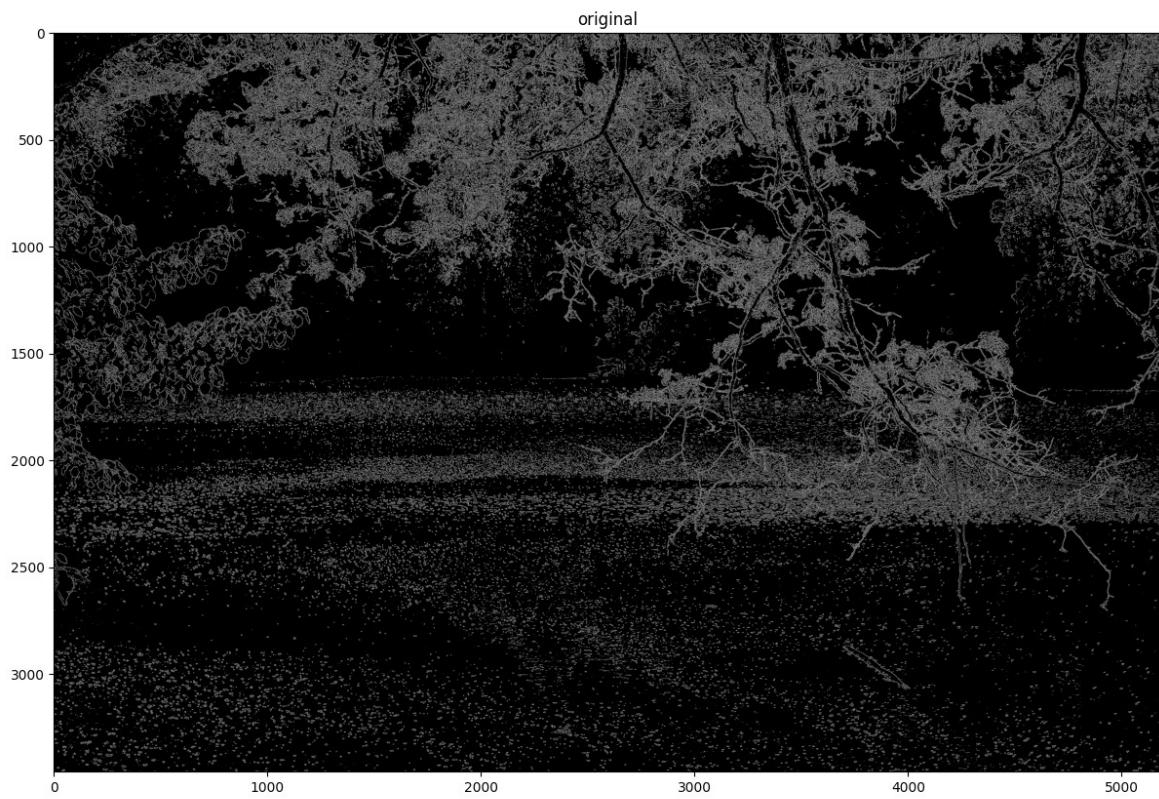


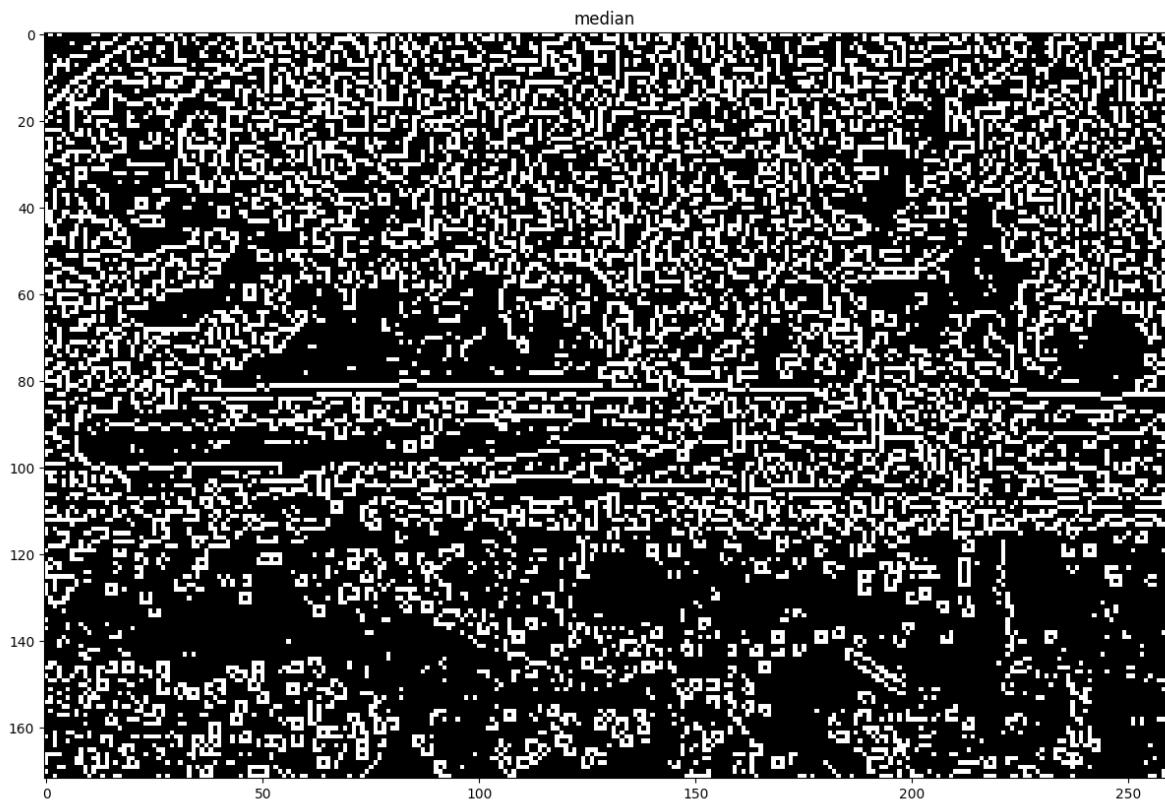


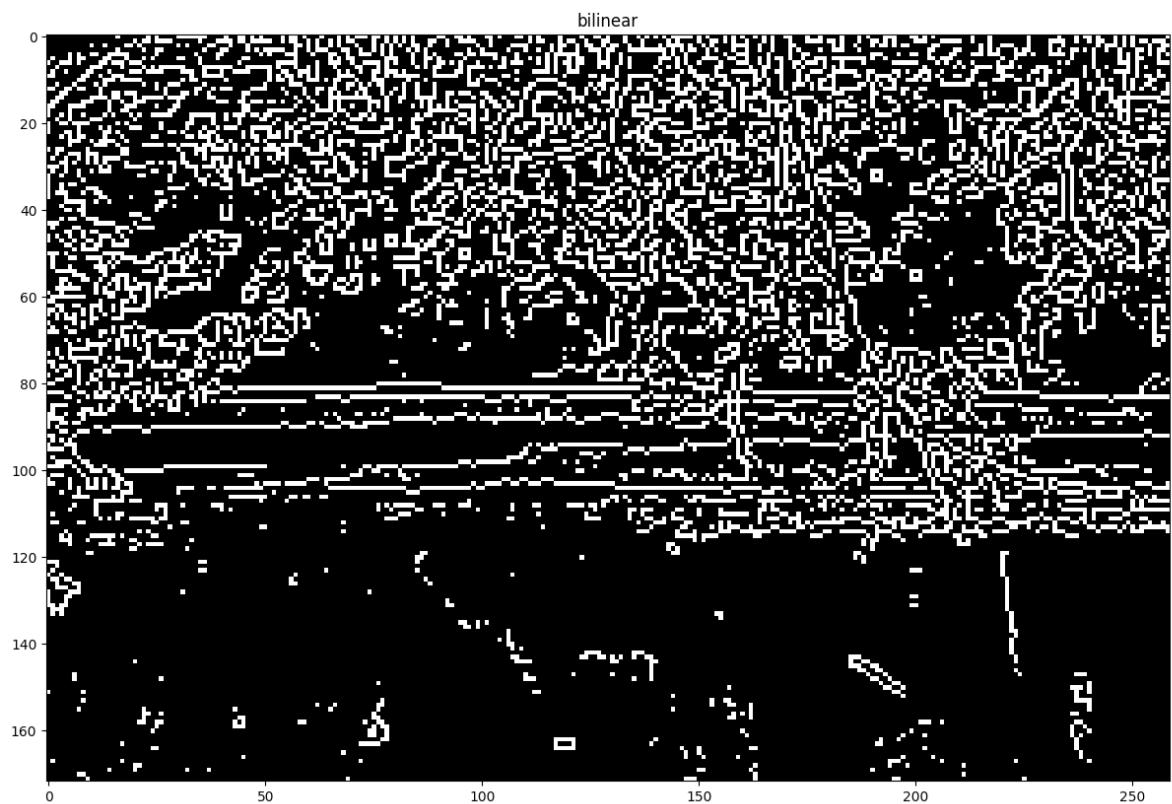




8. Sprawdzenie wykrywania krawędzi po pomniejszeniu obrazu do 5%

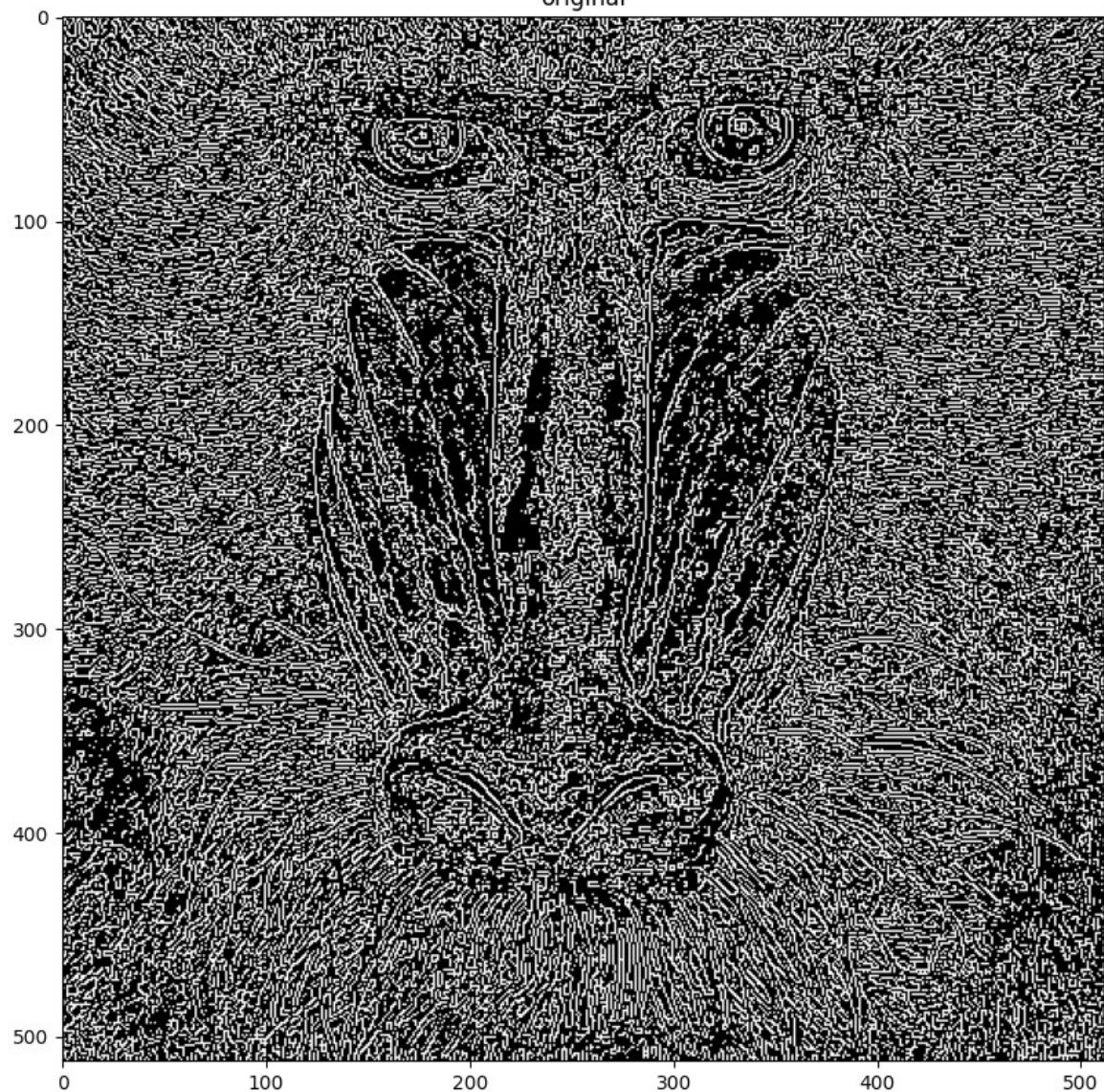


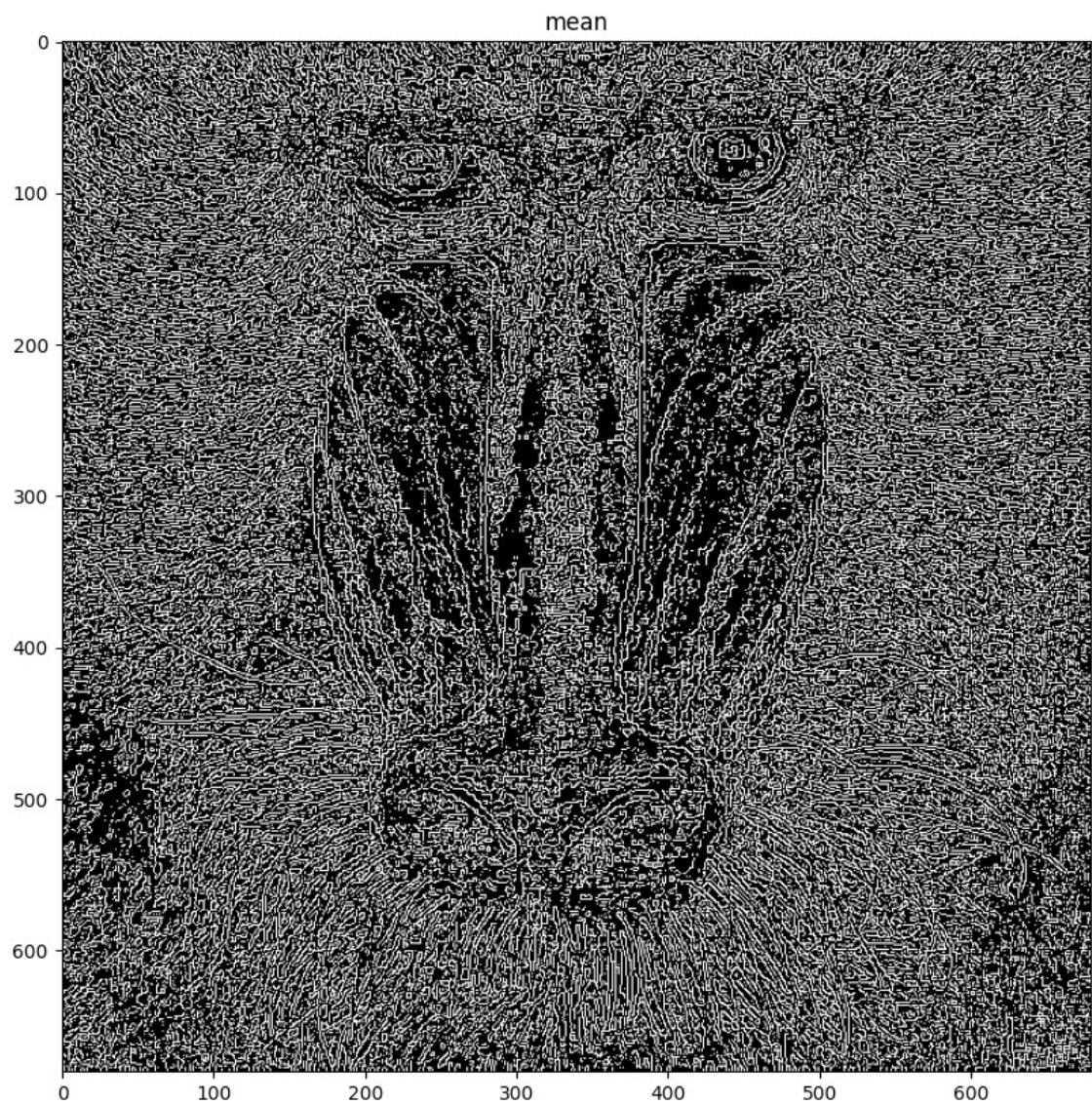


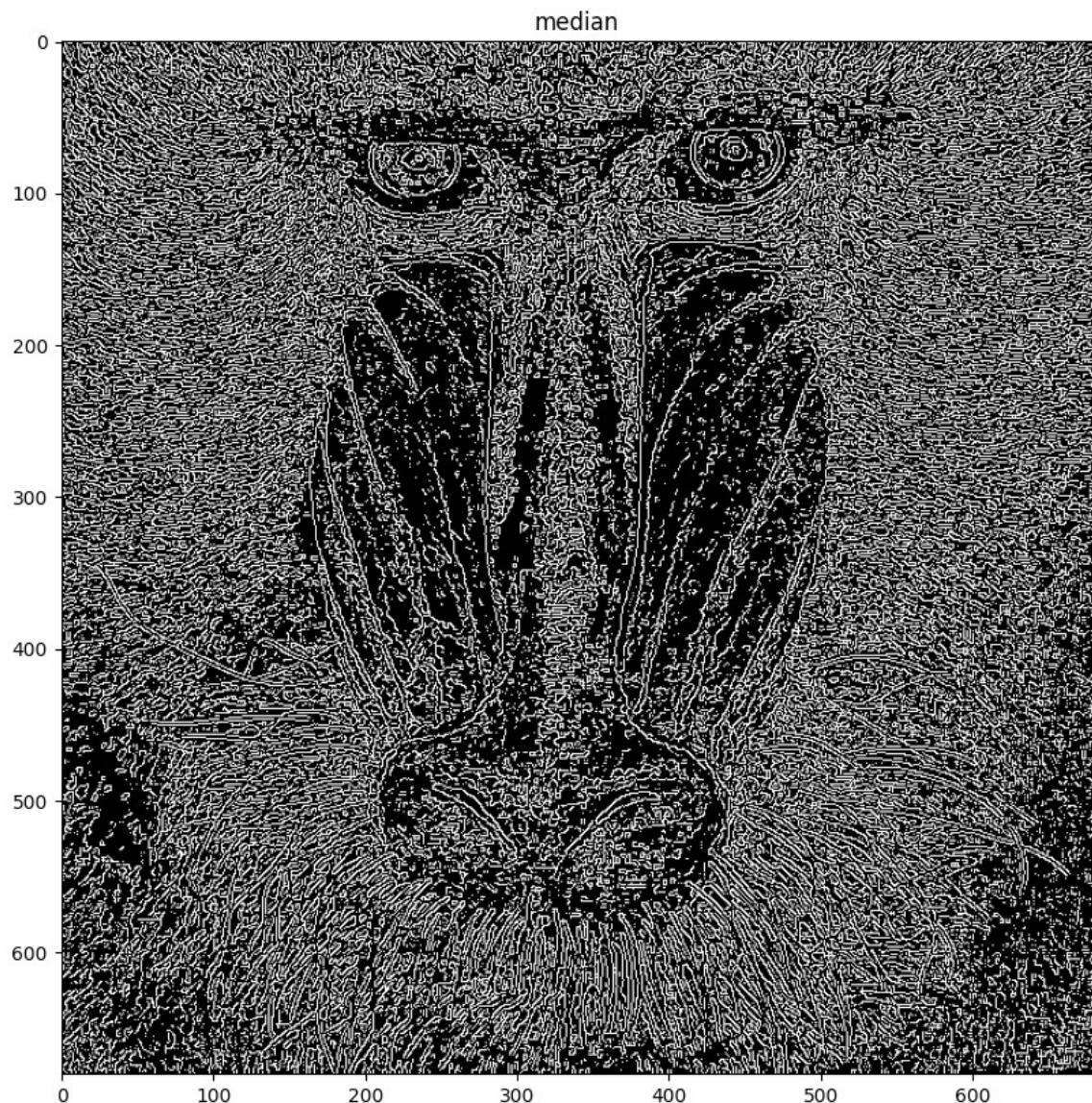


9. Sprawdzenie wykrywania krawędzi przy powiększeniu o 33%

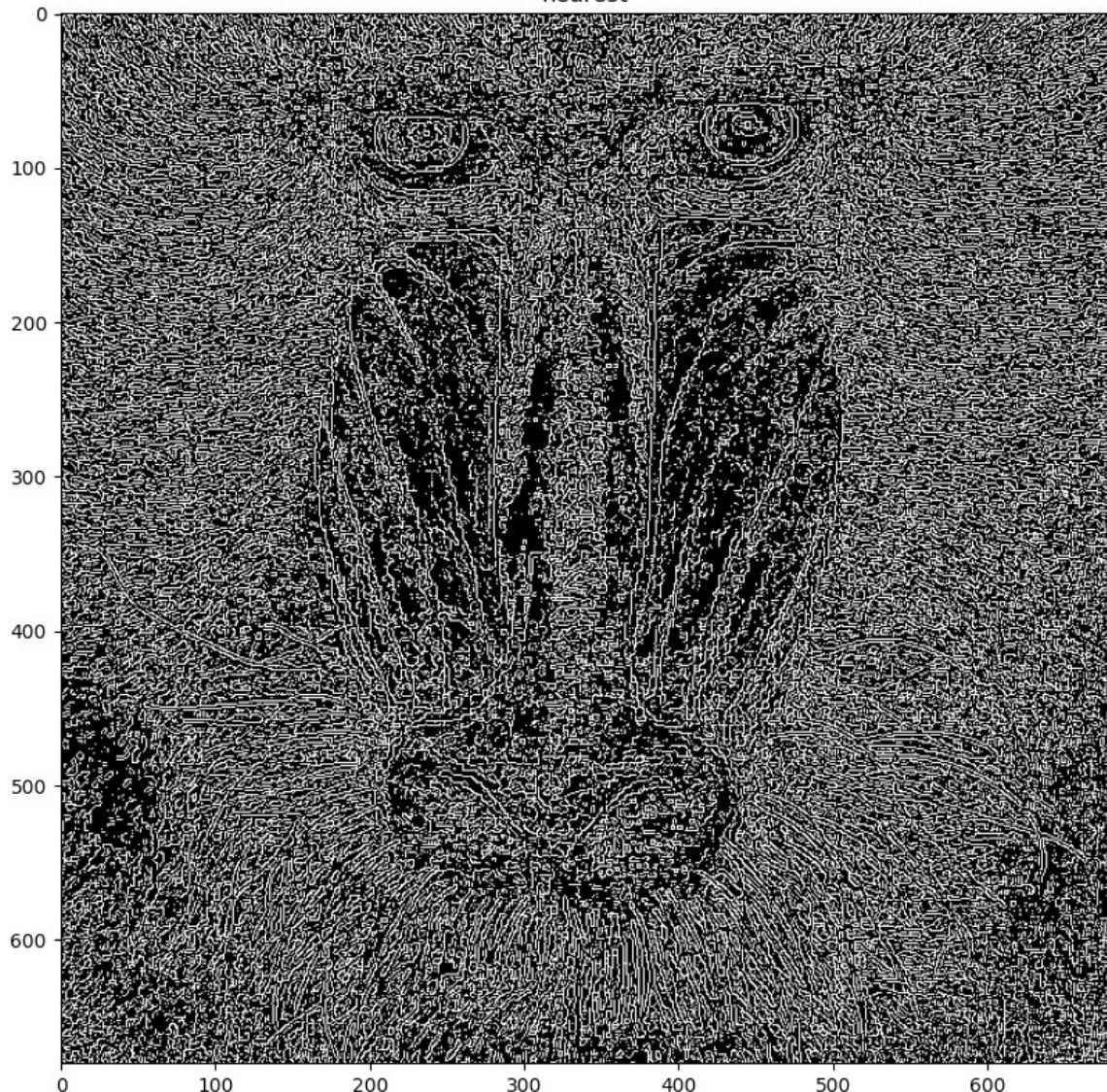
original







nearest



bilinear

