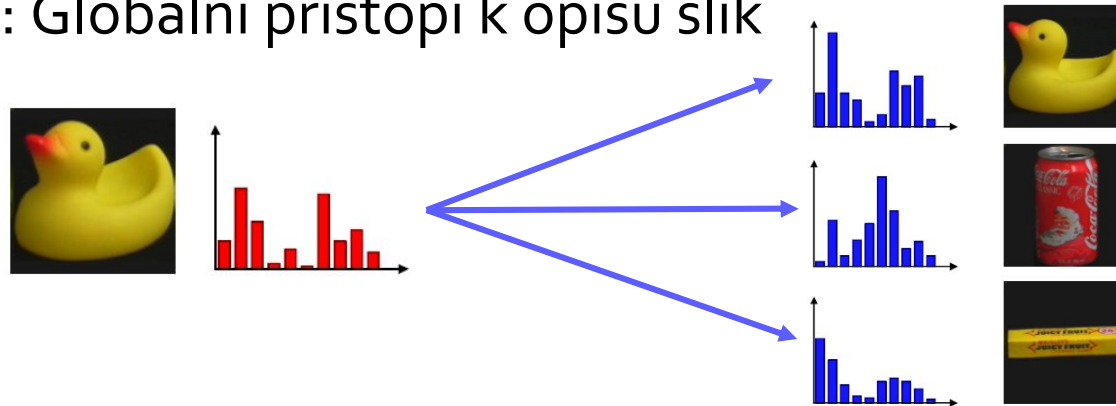


Vaja 2

- Naloga 1: Globalni pristopi k opisu slik



- Naloga2: Konvolucija in filtriranje

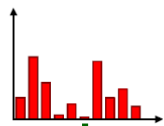
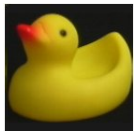


- Odgovorite na vsa vprašanja in si odgovore napišite na list!

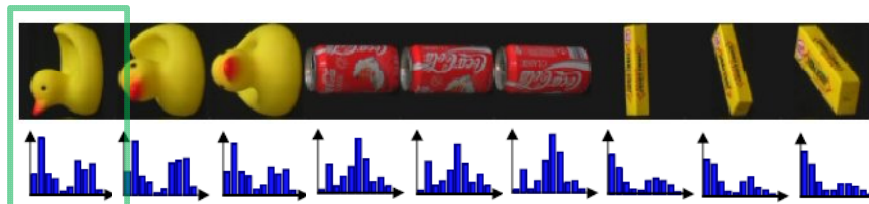
Naloga1: kocept

- Princip primerjanja slik s histogrami
- Vsako sliko zapišemo s histogramom
- Primerjamo histograme namesto direktno slike

vhodna slika



baza slik

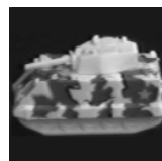
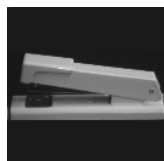


najbližji

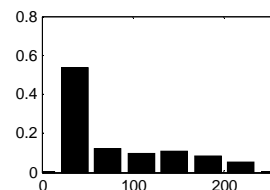
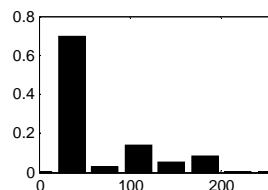
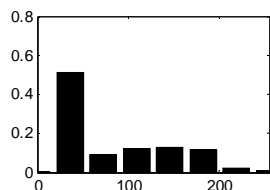
- Kakšnega tipa histograme naj uporabimo (sivinske, RGB, rg)?
- Kako vpliva število celic v histogramu?
- S kakšno mero podobnosti primerjati histograme?

Naloga1

- Preizkusili boste različne mere podobnosti

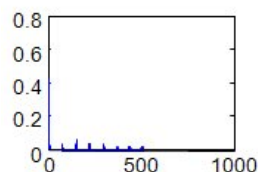


Komu je prva slika bližja?

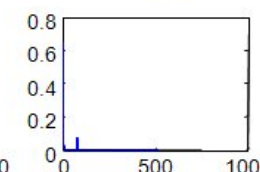
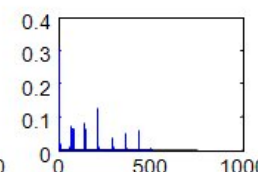
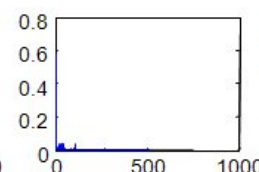
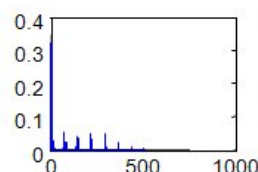
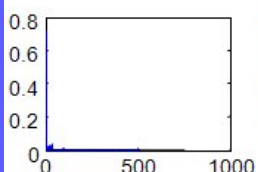


- Z RGB histogramom boste uredili bazo po podobnosti sliki 1
 - Ob tem boste analizirali vpliv mere podobnosti na sortiranje

slika1



sortirane



Naloga2

- Implementacija 1D konvolucije
- Separabilnost Gaussovega jedra (2 krat 1D filtriranje)
- Gaussov filter in medianin filter (vpliv na šum)
- Primeri filtriranja 1D in 2D signalov (izpitna računska naloga)
- Vsa vprašanja so izpitna

