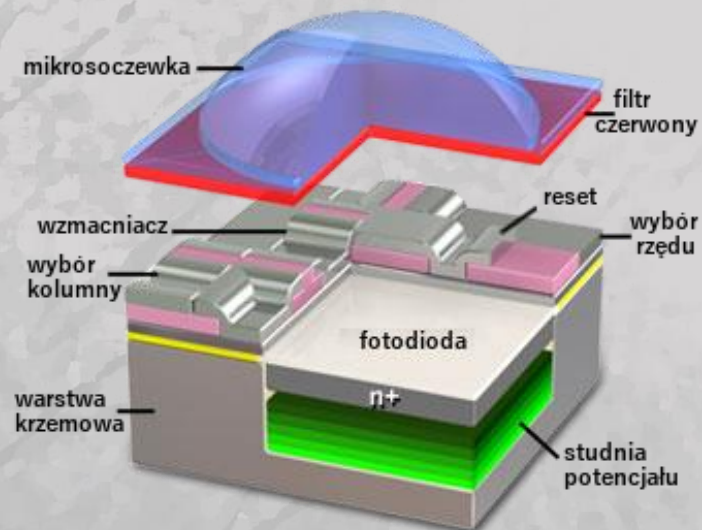
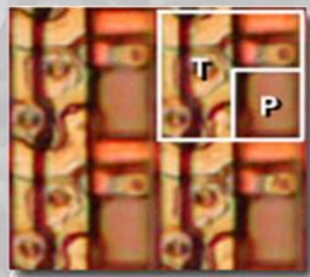
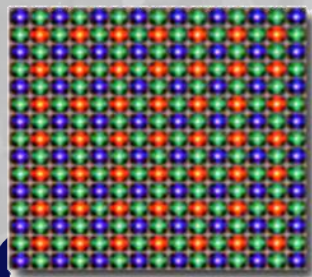
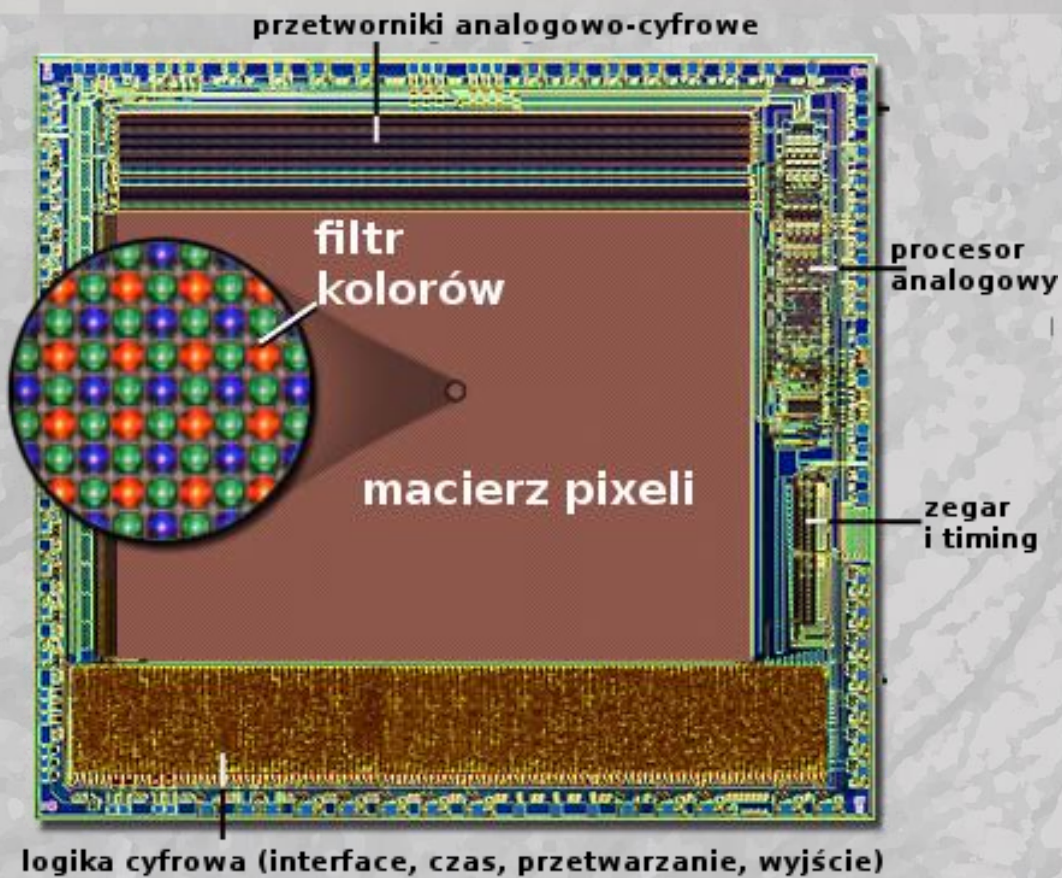
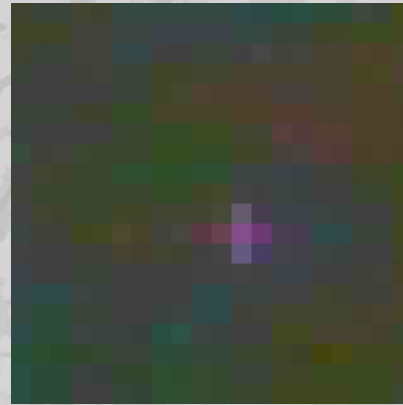


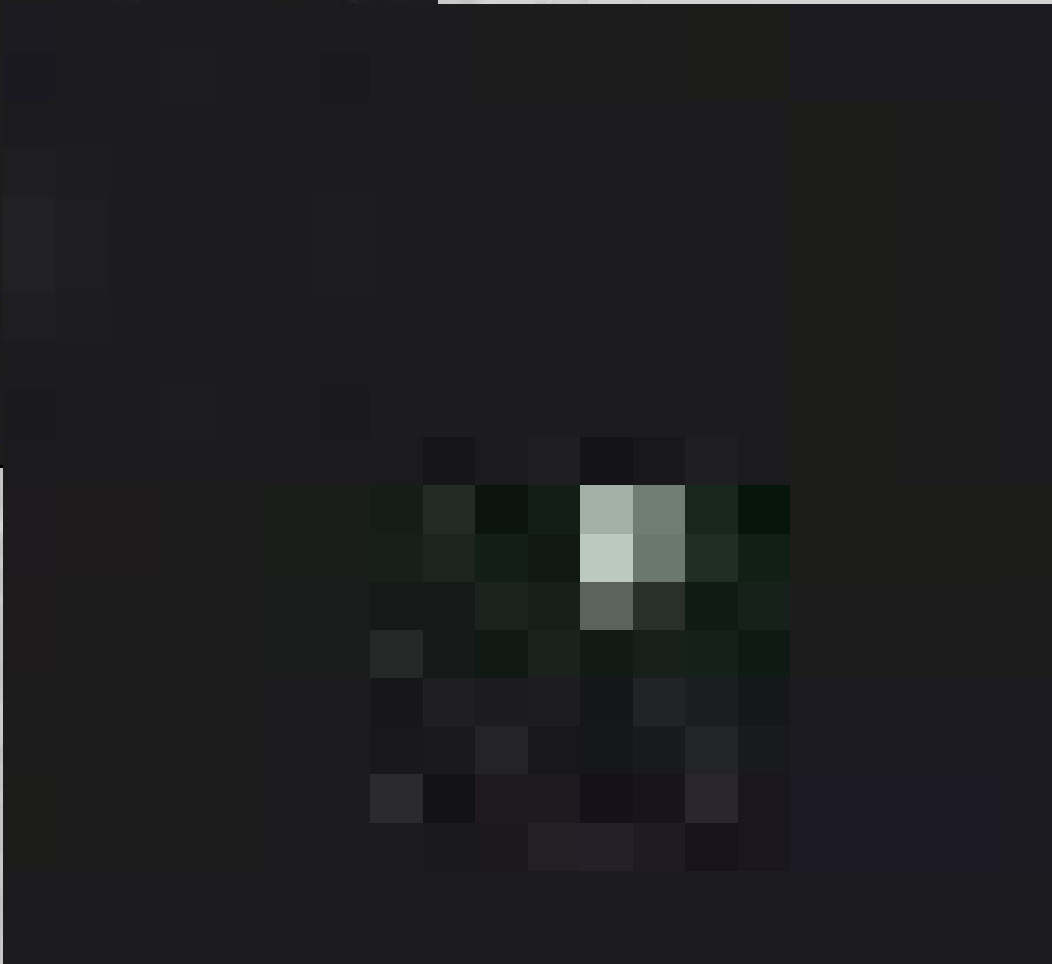
Definicja śladów mionów w CREDO dla kamery PC

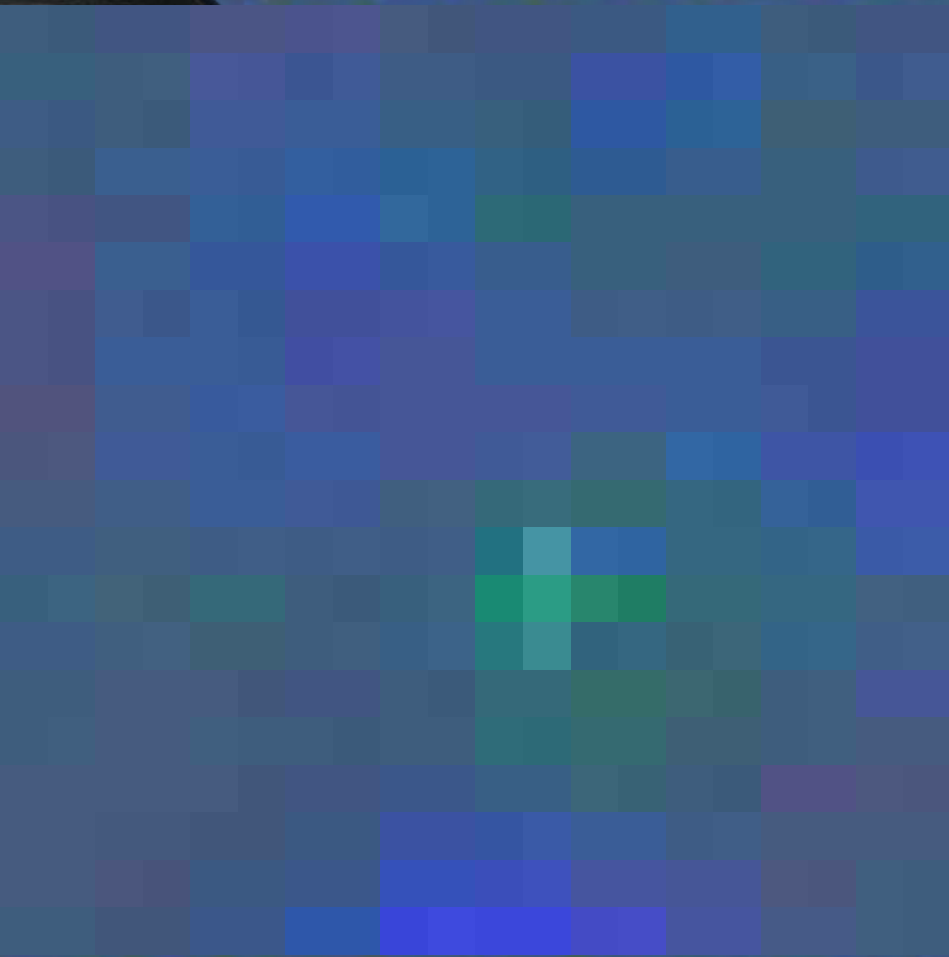
Tadeusz Wibig

Uniwersytet Łódzki
Wydział Fizyki i Informatyki Stosowanej
ul. Pomorska 149/153, 90-236 Łódź









ramka 6052 Max 100 próg 3sigm hits 5-13-5 X 539 Y 155

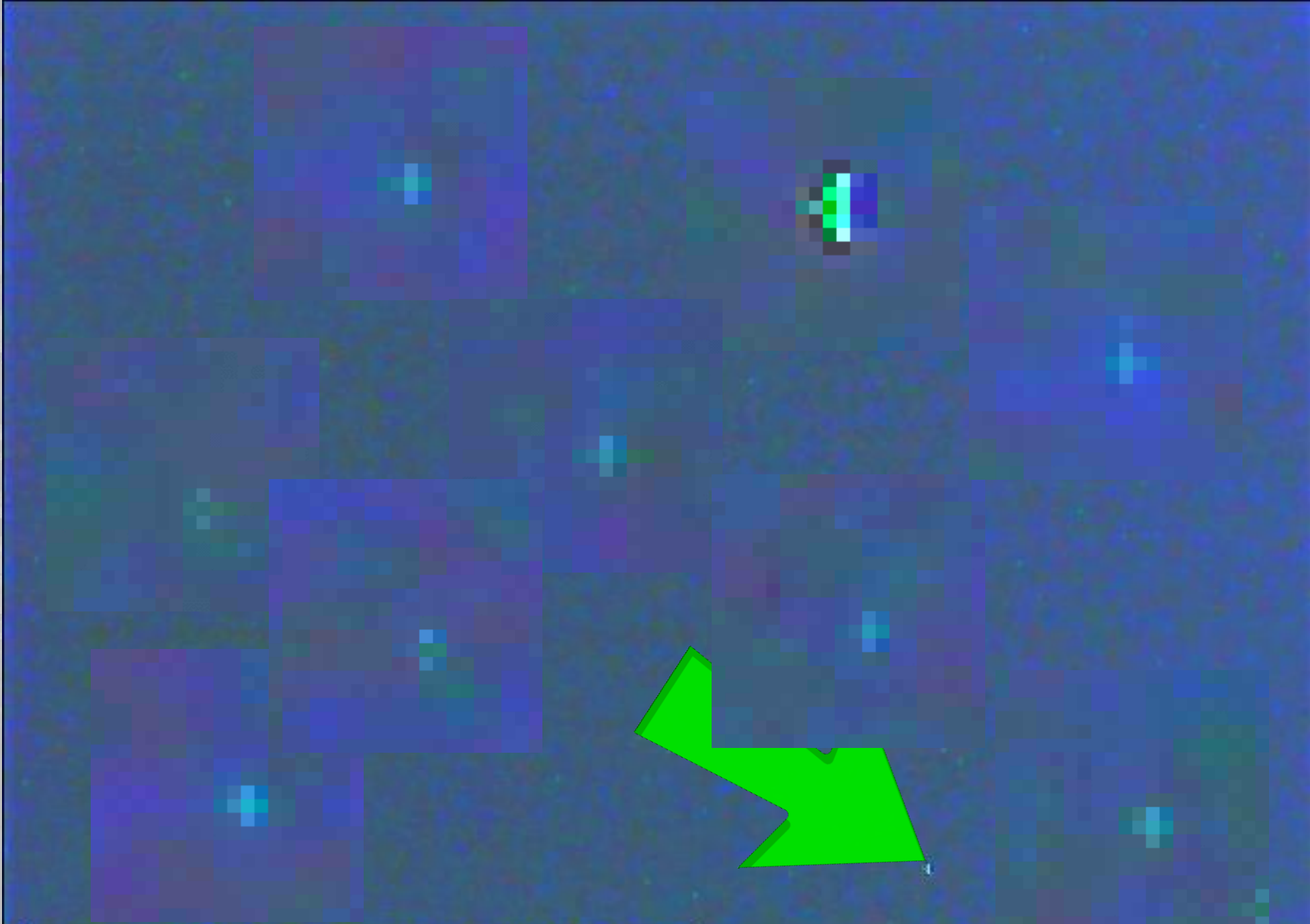




ramka 2950 Max 85 Max2 65 próg 2sigm X 326 Y 432

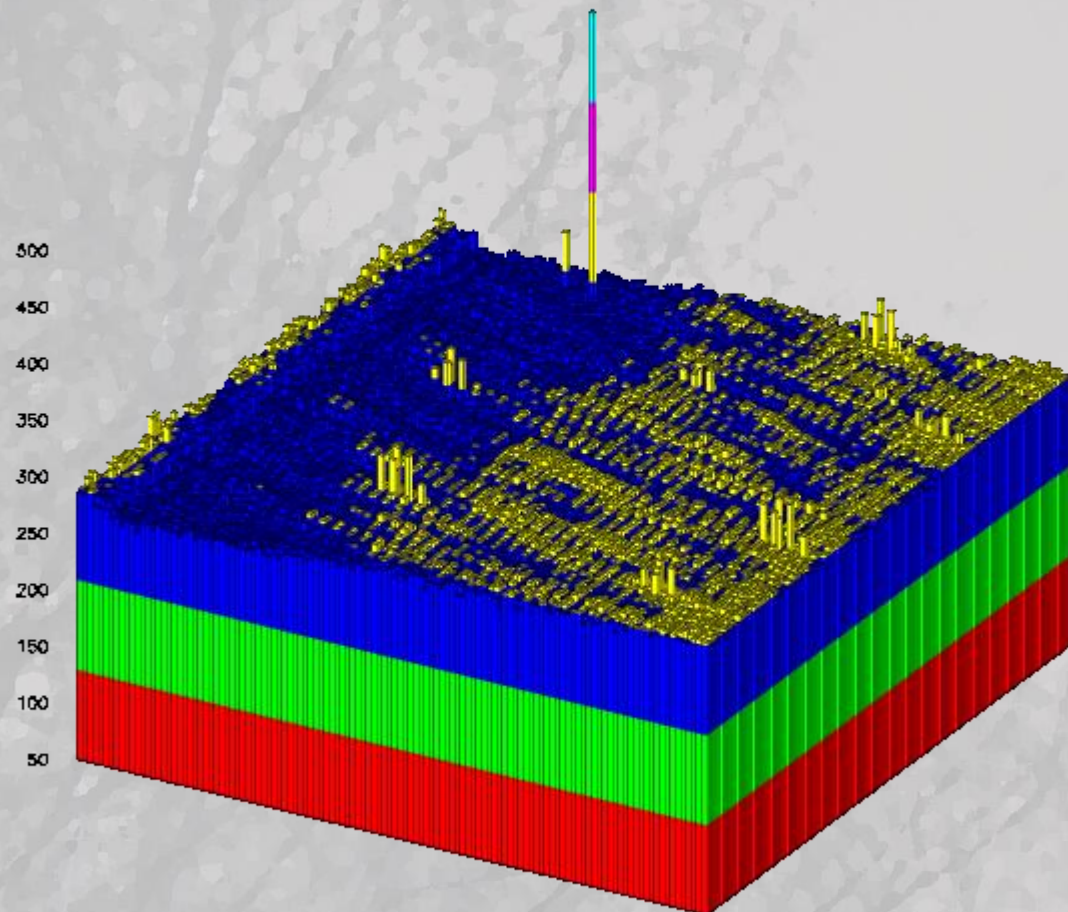


ramka 219831 Max 62 Max2 58 próg 2sigm X 292 Y 339

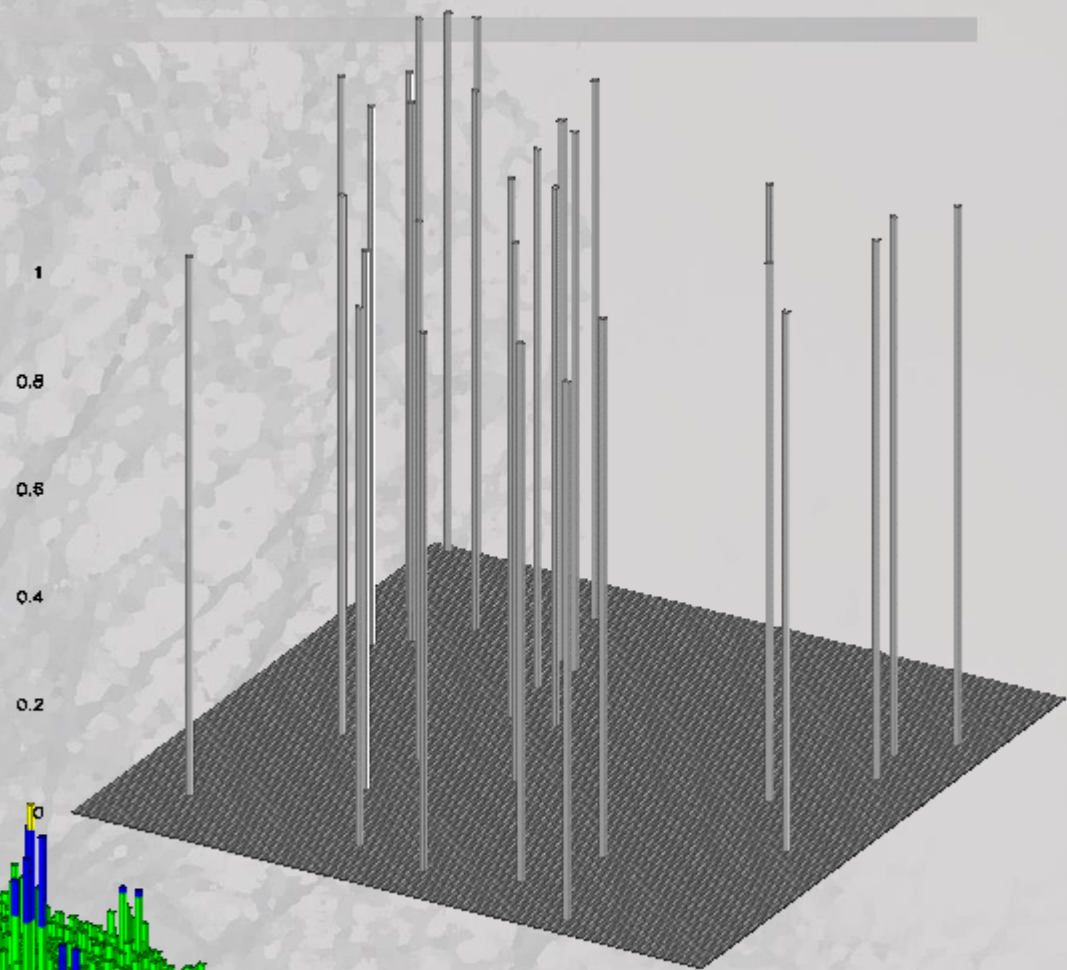
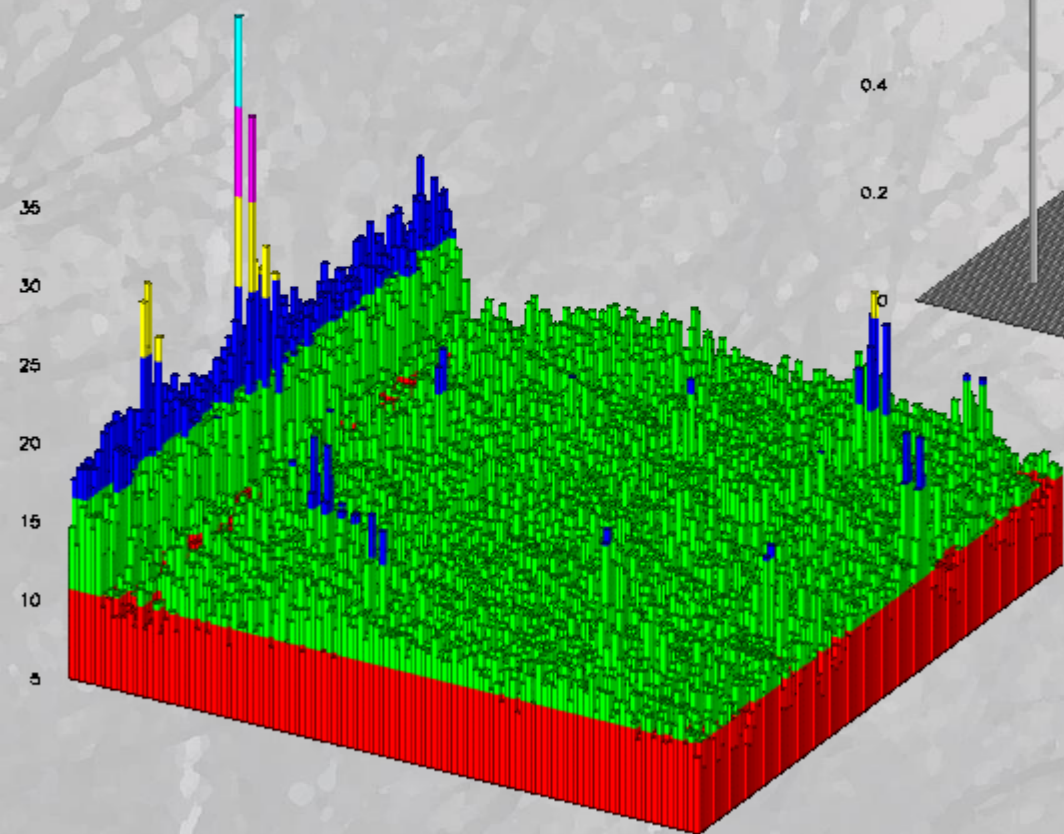


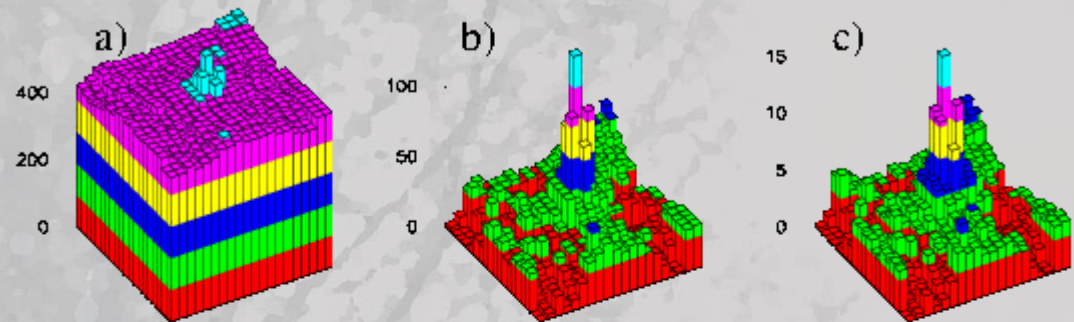
ramka 22931 Max 435 próg 3sigm hits 32-48-19 X 451 Y 425

$A_{i,j}$

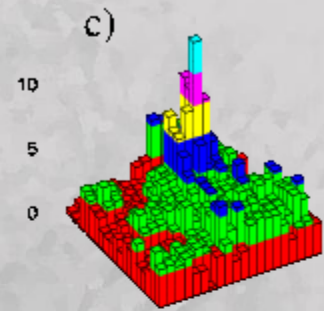
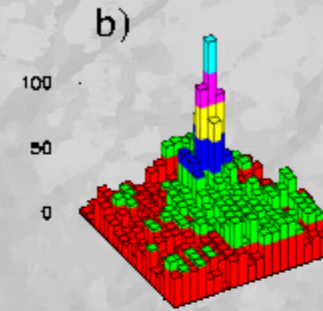
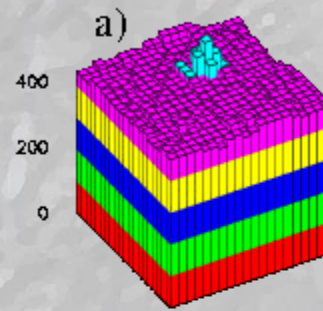
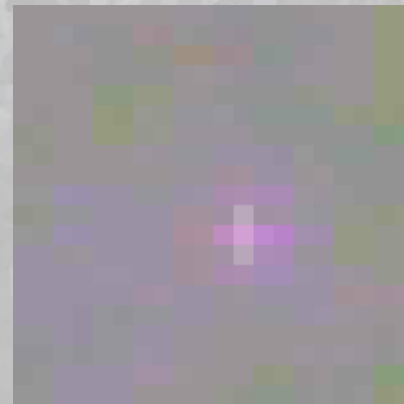
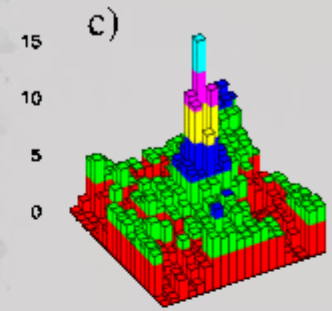
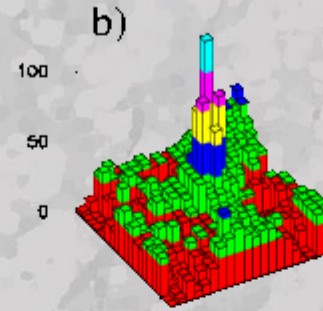
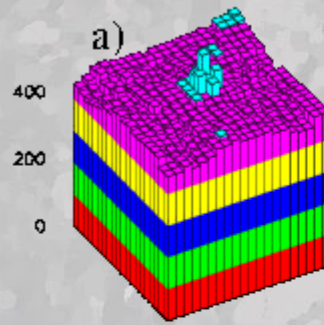
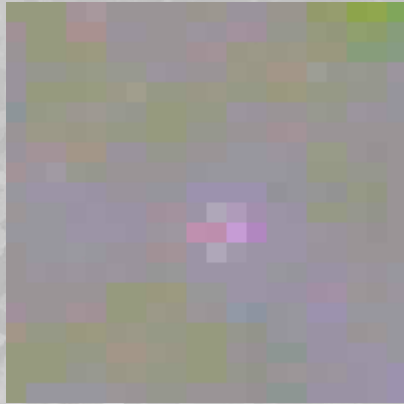


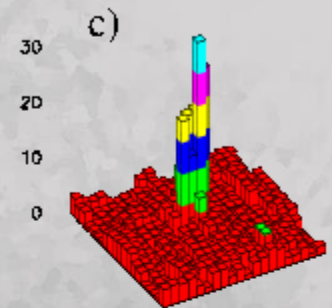
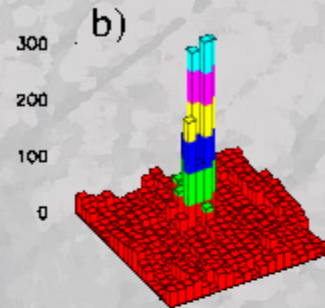
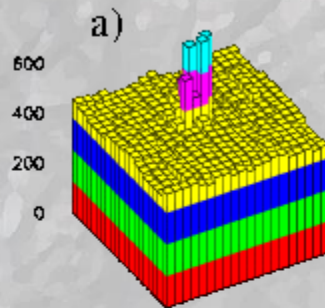
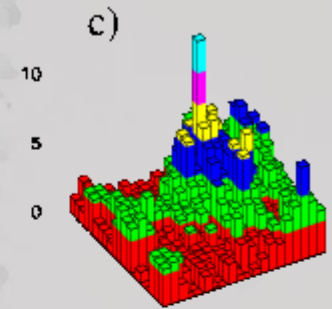
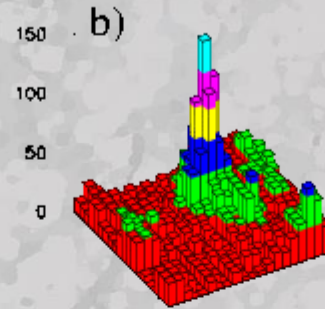
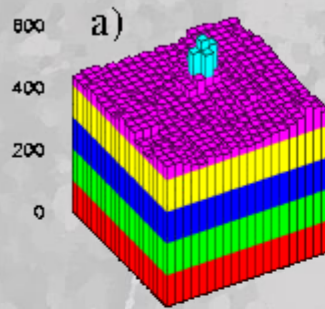
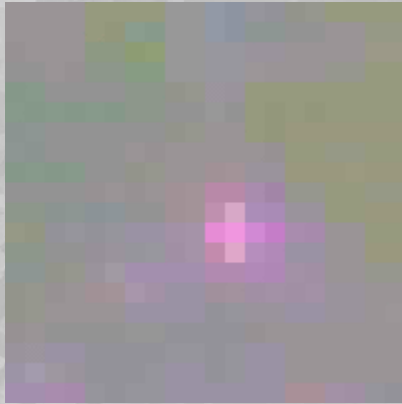
$D_{i,j}$

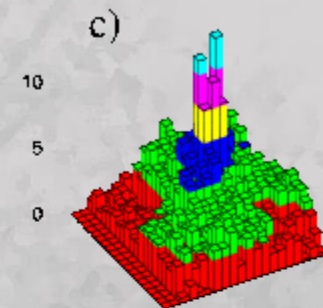
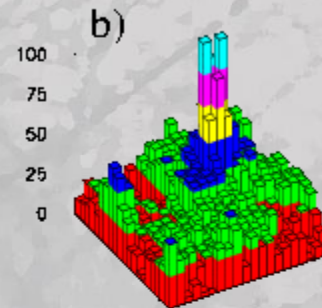
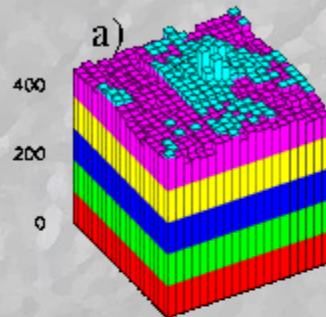
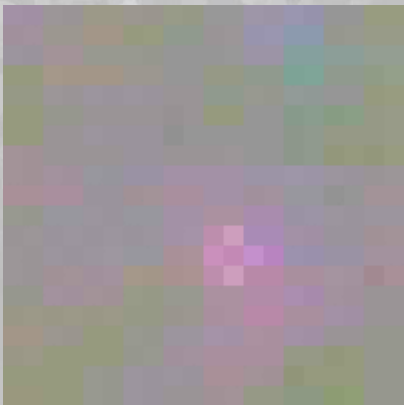
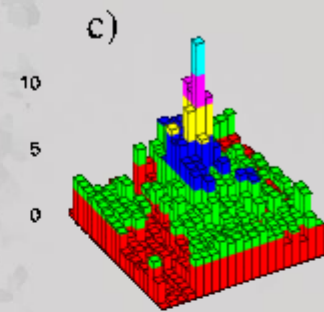
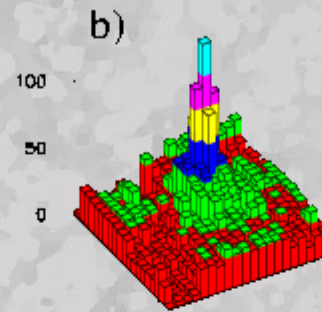
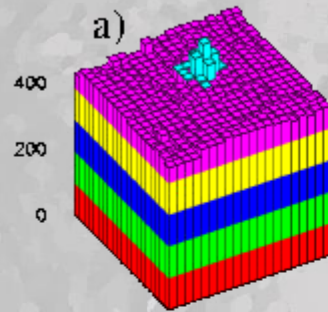
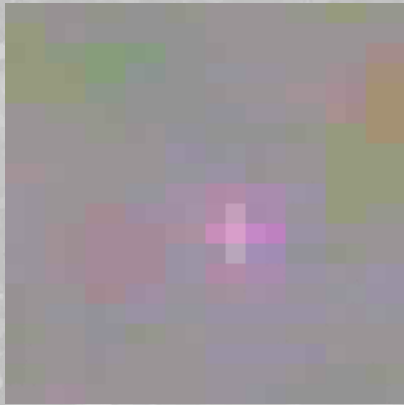


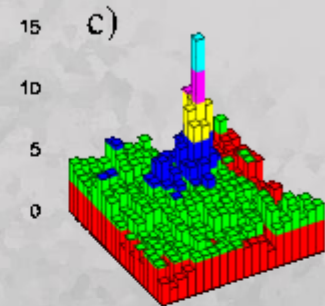
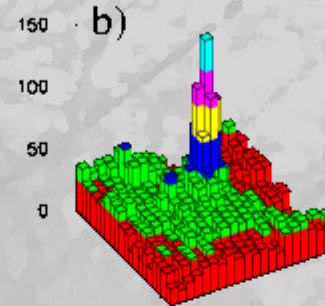
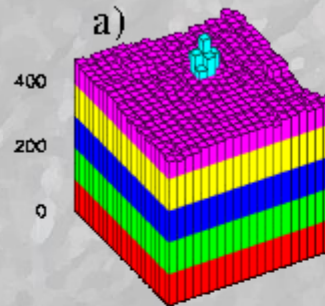
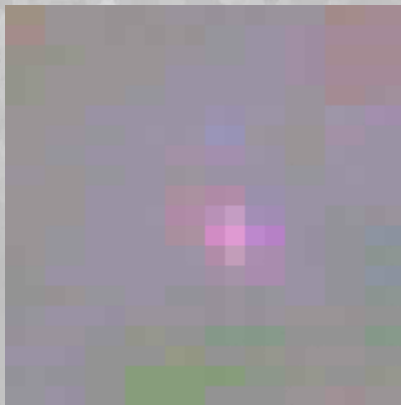
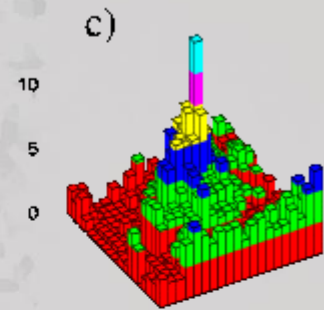
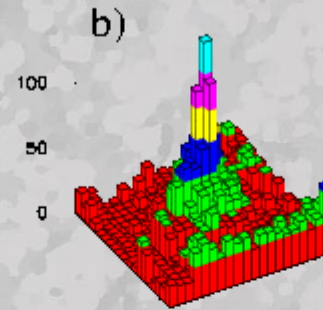
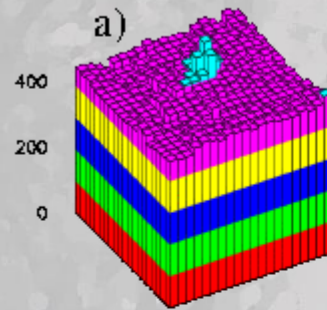
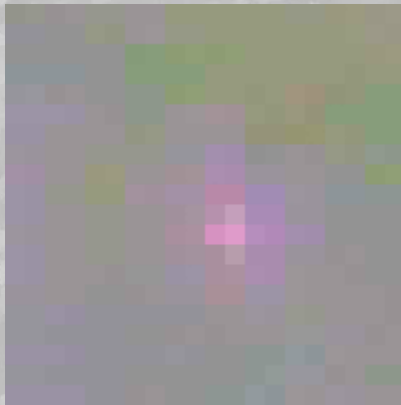


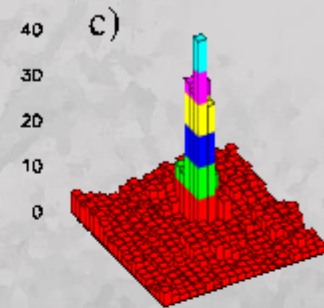
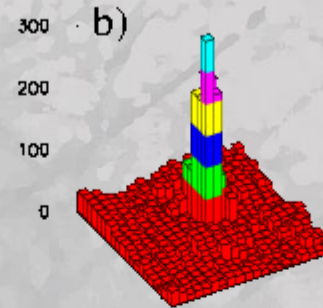
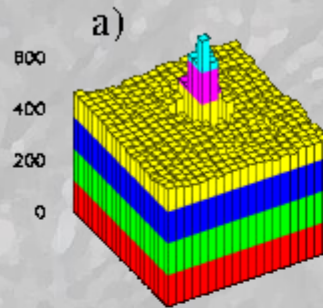
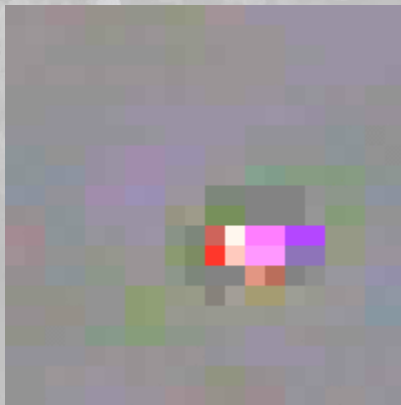
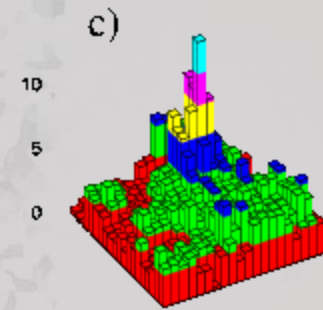
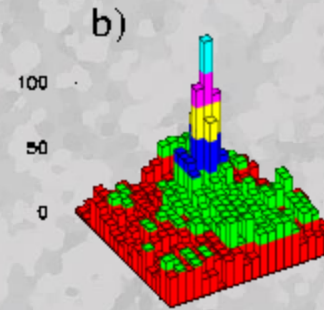
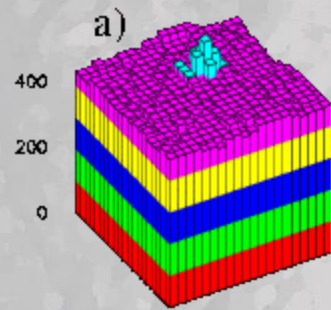
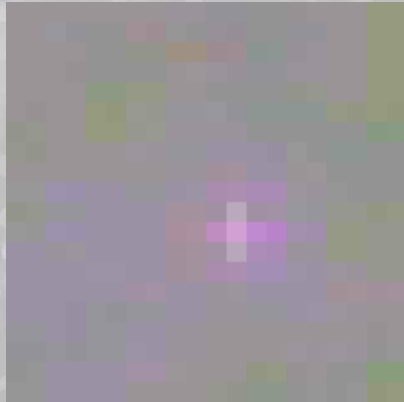
Typical events registered, rather not mouns. Camera view and raw pixel contents a), difference $S_{i,j} - A_{i,j}$ b) and the difference scaled by the dispersion $(S_{i,j} - A_{i,j}) / D_{i,j}$ c).











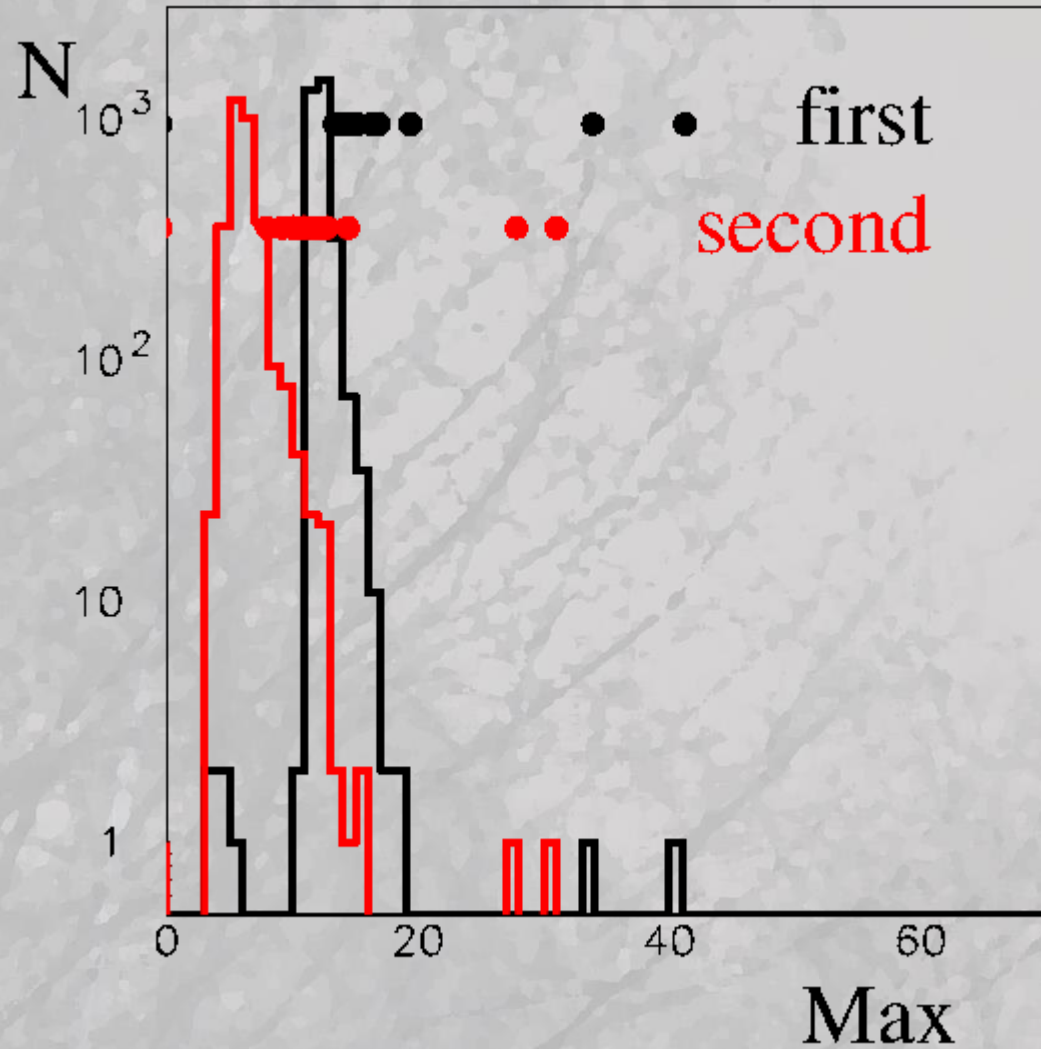
$$\text{brightness}_1 = \max ((S_{i,j} - A_{i,j}) / D_{i,j})$$

$$\text{size}_k = \sum H ((S_{i,j} - A_{i,j}) / D_{i,j} - f_k \cdot \text{brightness}_1)$$

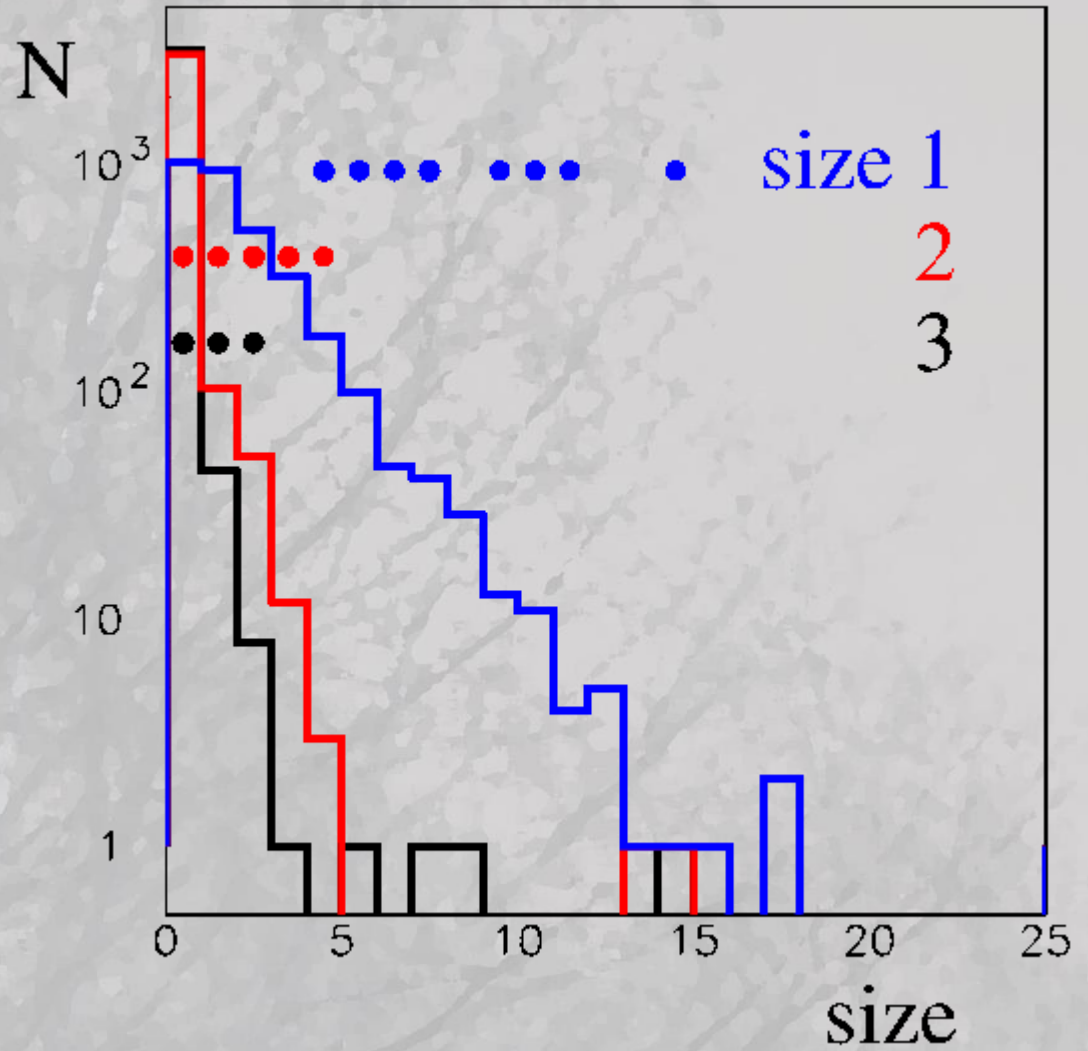
$$\text{size}'_k = \sum H ((S_{i,j} - A_{i,j}) - f'_k \cdot \langle D \rangle)$$

$$\text{magnitude} = \sum_{(S_{i,j} - A_{i,j}) / D_{i,j} > f_m} (S_{i,j} - A_{i,j}) / D_{i,j}$$

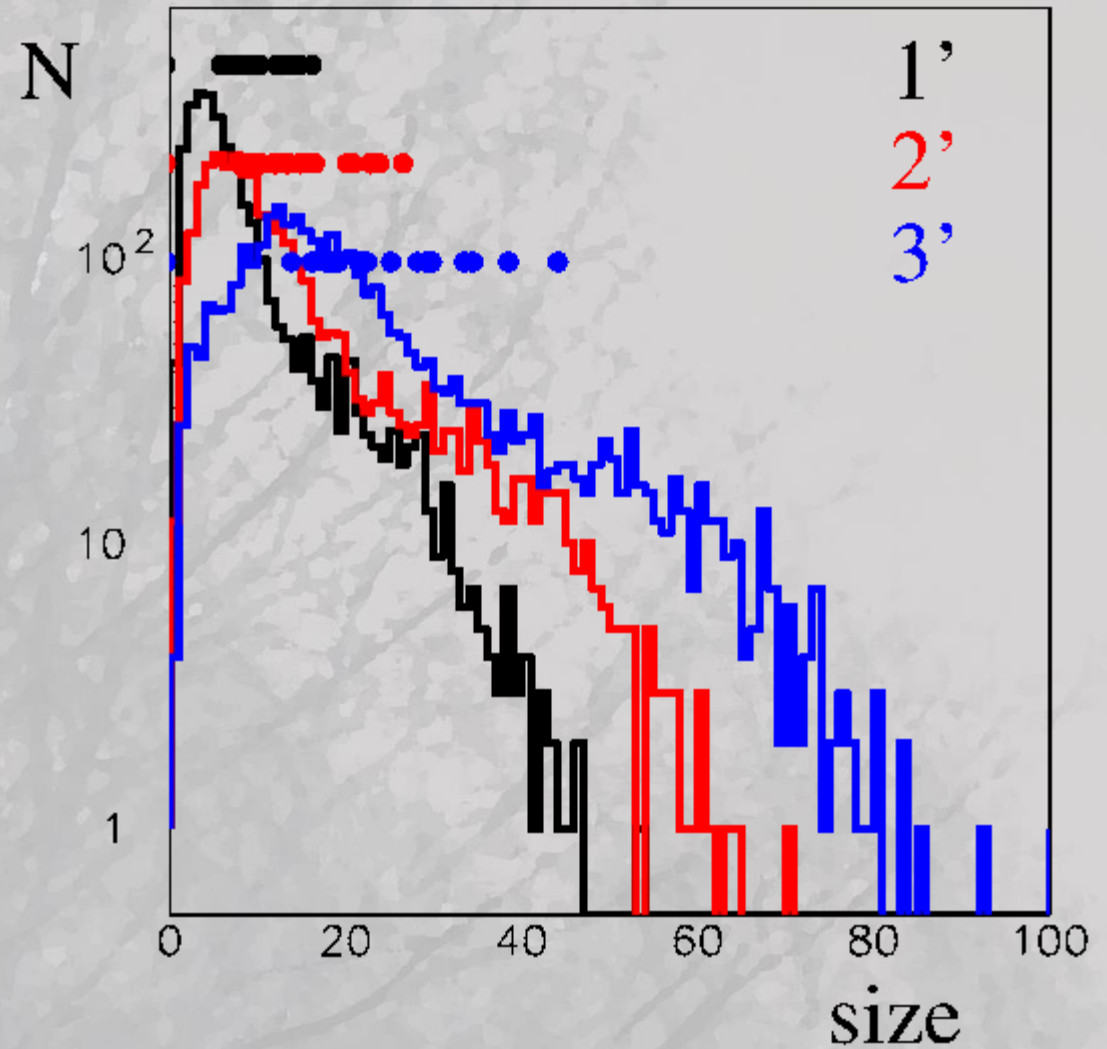
$$\text{brightness}_1 = \max((S_{i,j} - A_{i,j})/D_{i,j})$$



$$\text{size}_k = \sum H \left((S_{i,j} - A_{i,j}) / D_{i,j} - f_k \cdot \text{brightness}_1 \right)$$



$$\text{size}'_k = \sum H((S_{i,j} - A_{i,j}) - f' \cdot \langle D \rangle)$$



$$\text{magnitude} = \sum_{(S_{i,j} - A_{i,j}) / D_{i,j} > fm} (S_{i,j} - A_{i,j}) / D_{i,j}$$

