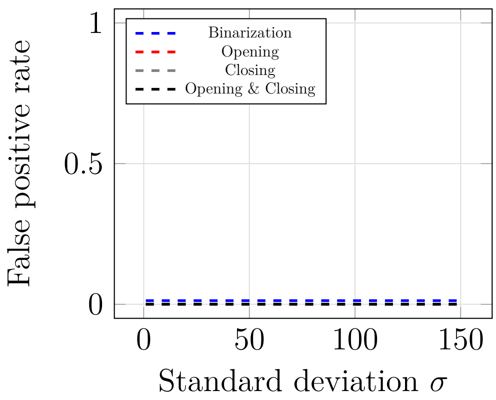
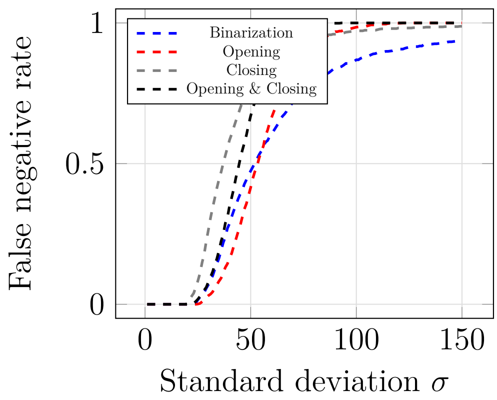
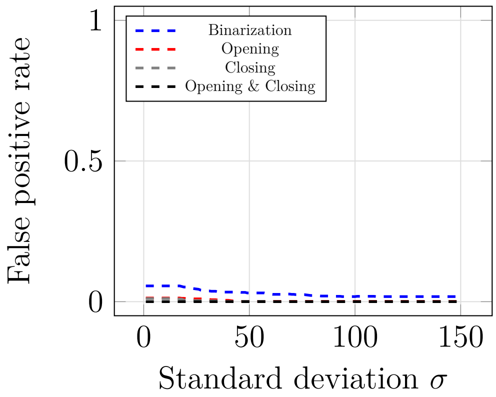


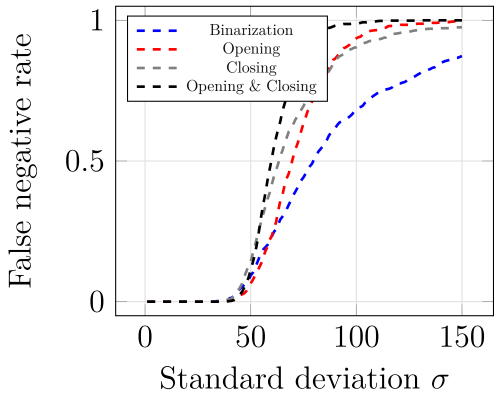
(a) Background pixel at the corner of the rROI.



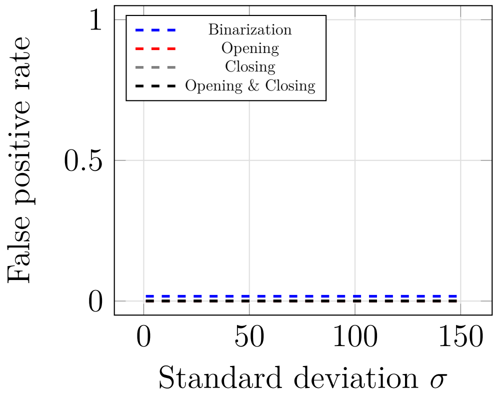
(b) Foreground pixel at the corner of the rROI.



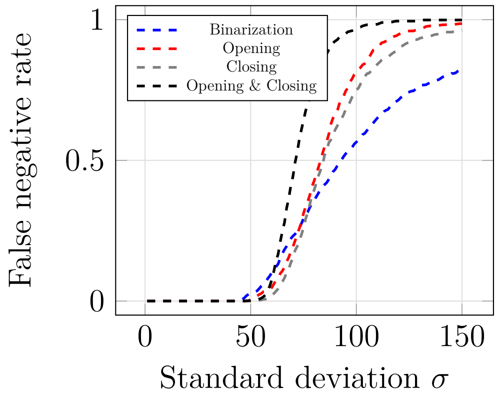
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

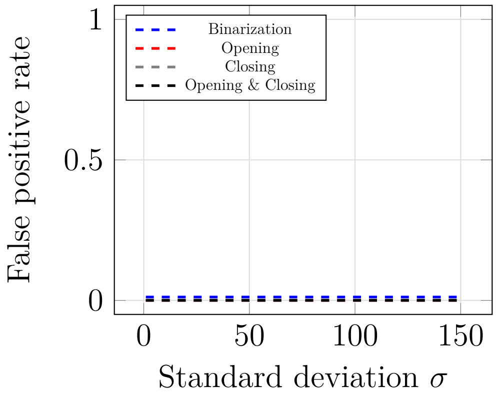


(e) Background pixel surrounded by background.

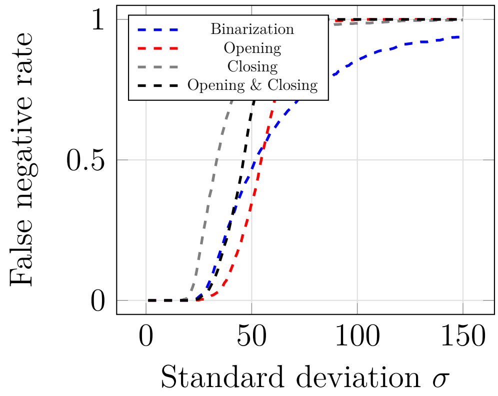


(f) Foreground pixel surrounded by foreground.

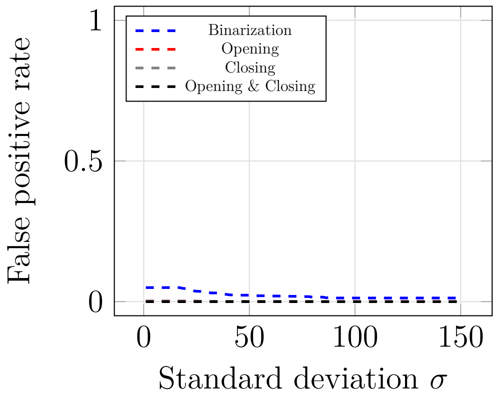
Figure 1: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.05, \varphi = 3$).



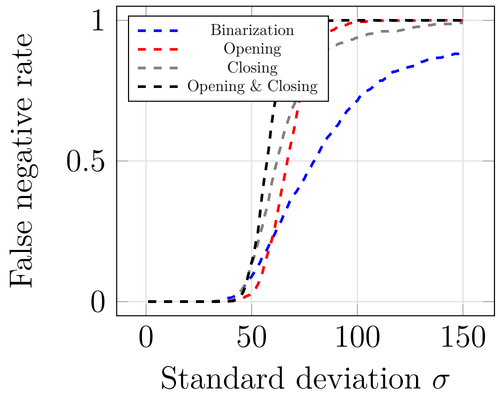
(a) Background pixel at the corner of the rROI.



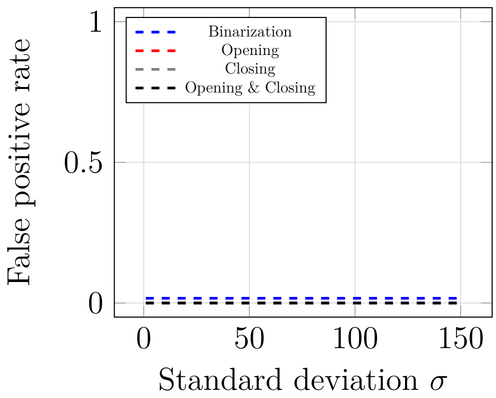
(b) Foreground pixel at the corner of the rROI.



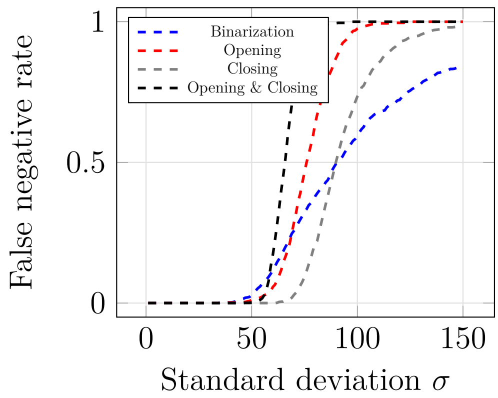
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

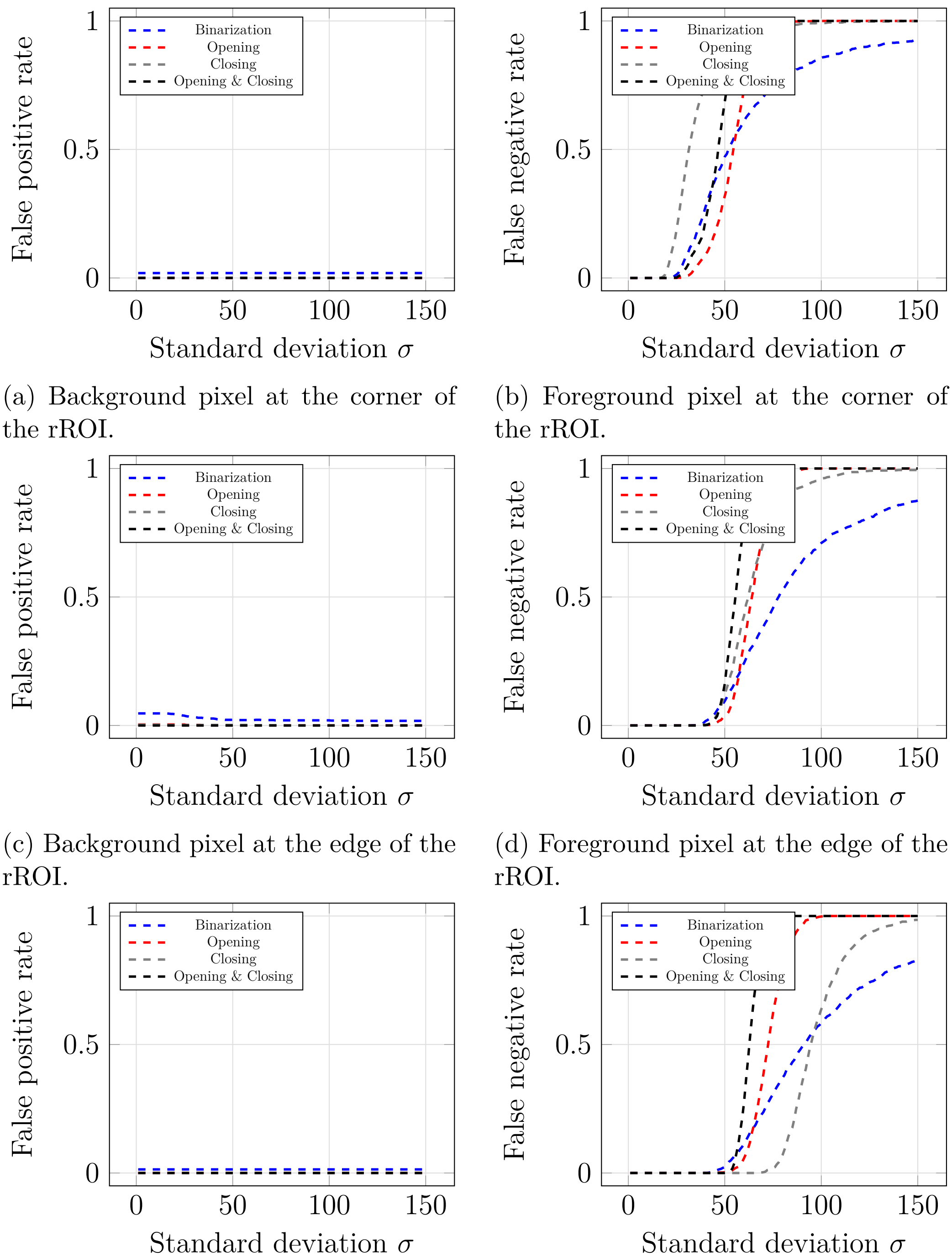


(e) Background pixel surrounded by background.



(f) Foreground pixel surrounded by foreground.

Figure 2: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.05, \varphi = 5$).



(a) Background pixel at the corner of the rROI.

(b) Foreground pixel at the corner of the rROI.

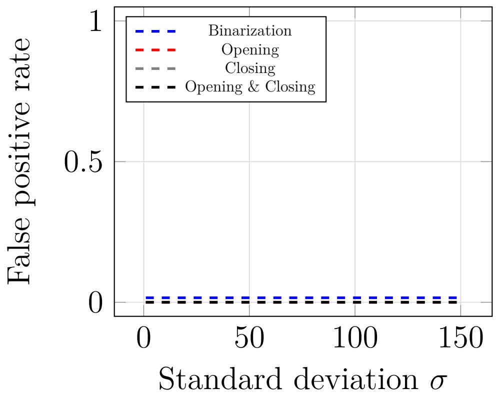
(c) Background pixel at the edge of the rROI.

(d) Foreground pixel at the edge of the rROI.

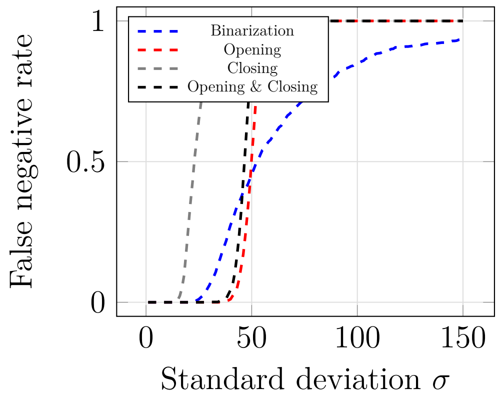
(e) Background pixel surrounded by background.

(f) Foreground pixel surrounded by foreground.

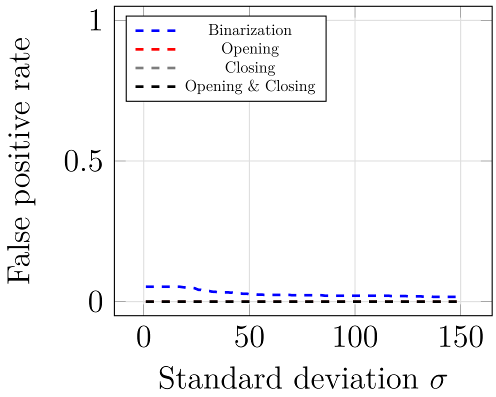
Figure 3: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.05, \varphi = 7$).



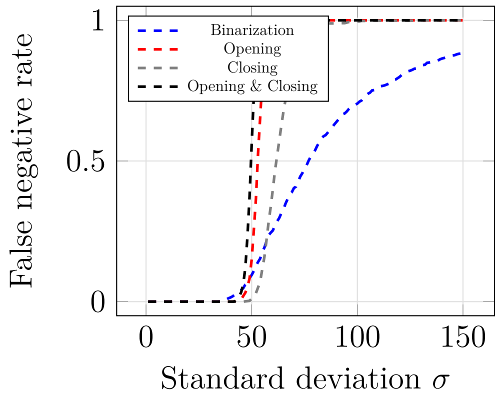
(a) Background pixel at the corner of the rROI.



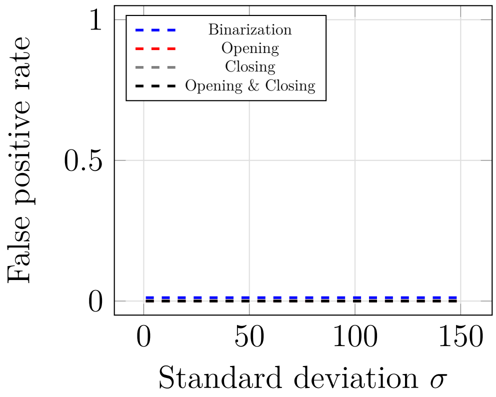
(b) Foreground pixel at the corner of the rROI.



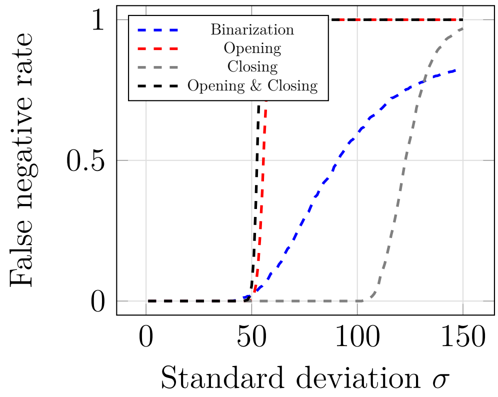
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

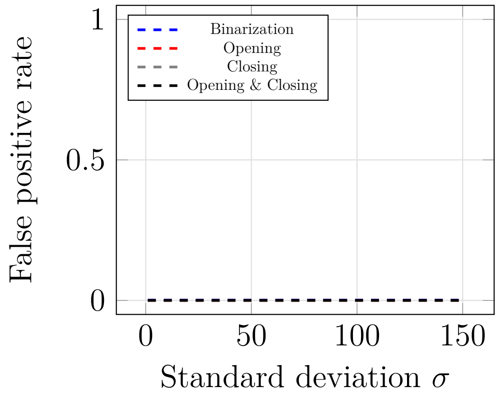


(e) Background pixel surrounded by background.

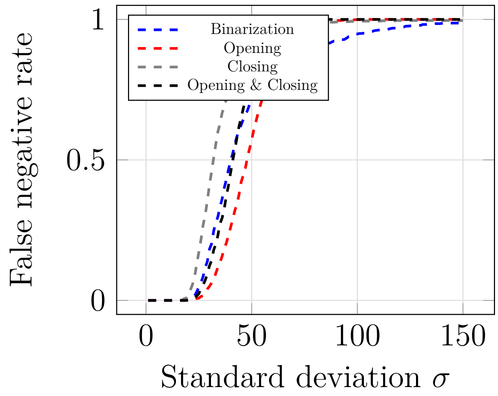


(f) Foreground pixel surrounded by foreground.

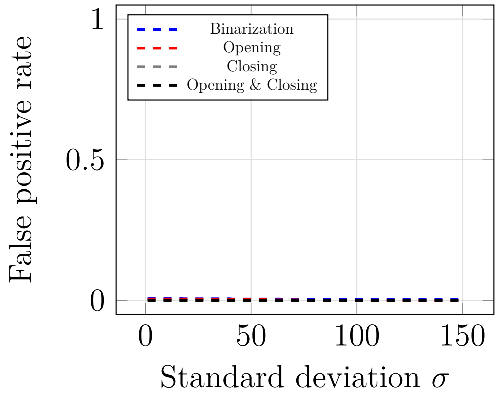
Figure 4: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.05, \varphi = 99$).



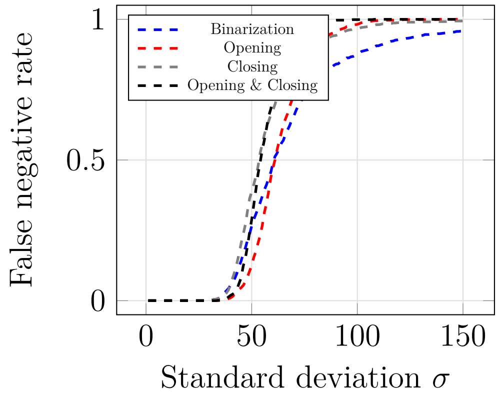
(a) Background pixel at the corner of the rROI.



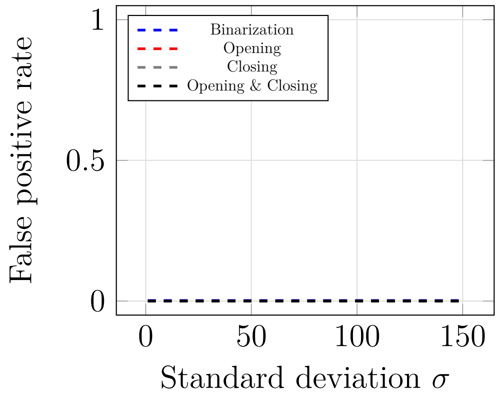
(b) Foreground pixel at the corner of the rROI.



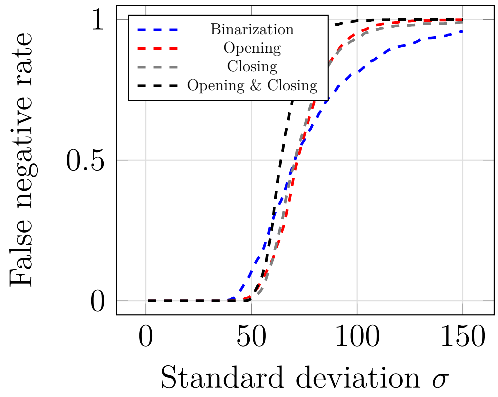
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

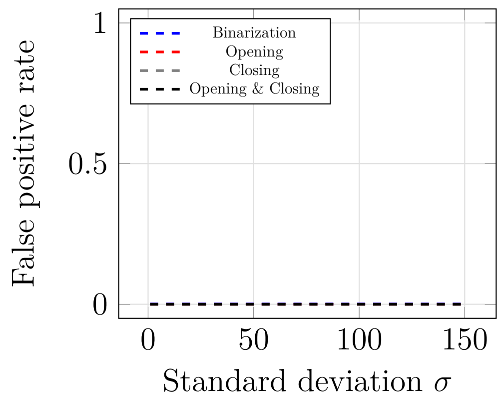


(e) Background pixel surrounded by background.

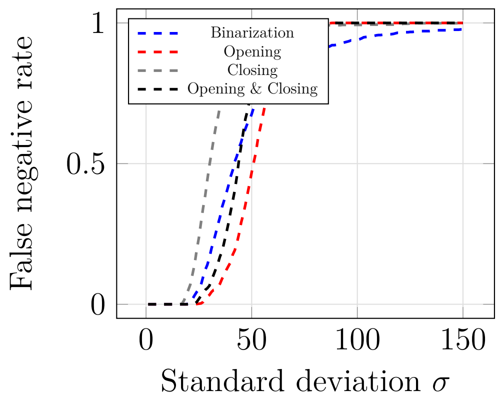


(f) Foreground pixel surrounded by foreground.

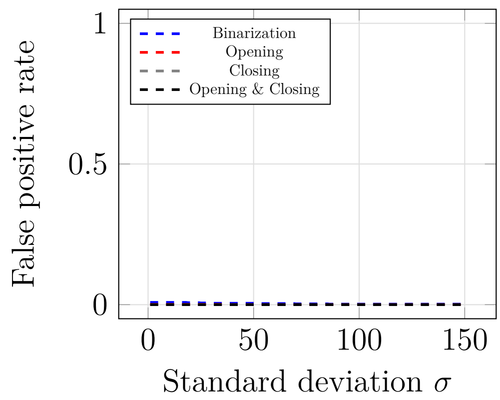
Figure 5: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.01, \varphi = 3$).



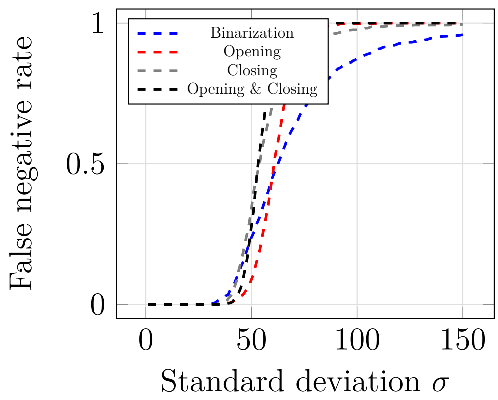
(a) Background pixel at the corner of the rROI.



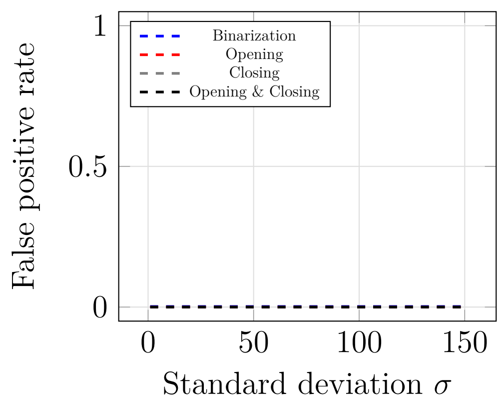
(b) Foreground pixel at the corner of the rROI.



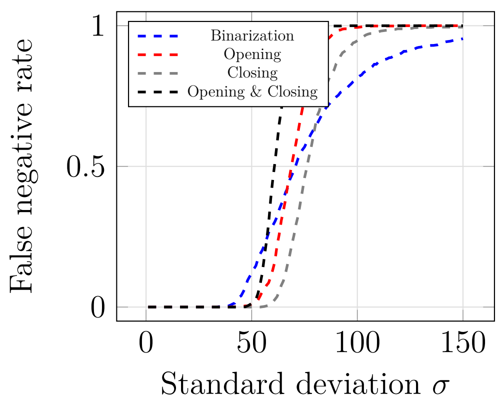
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

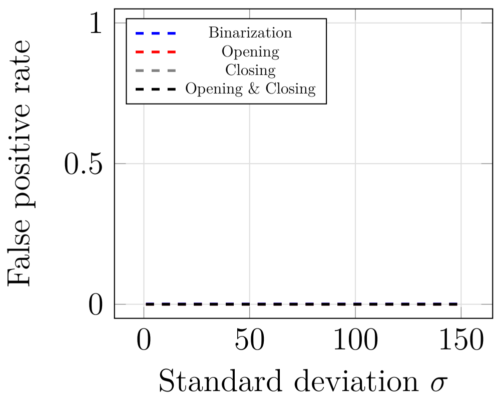


(e) Background pixel surrounded by background.

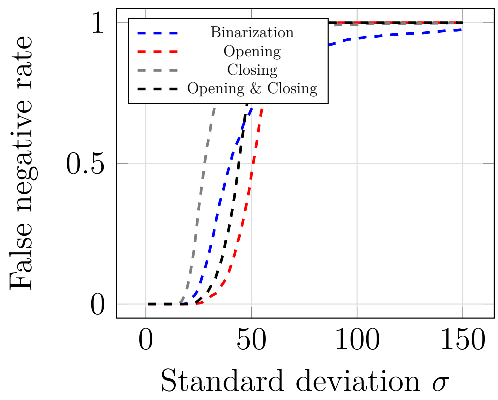


(f) Foreground pixel surrounded by foreground.

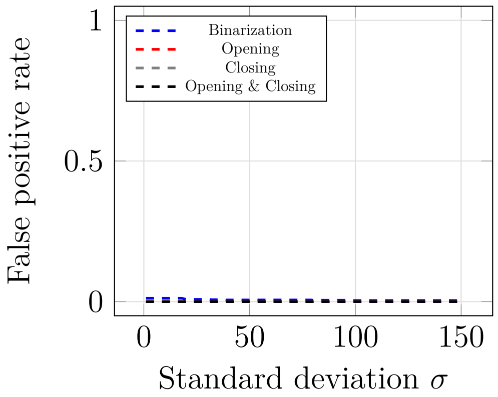
Figure 6: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.01, \varphi = 5$).



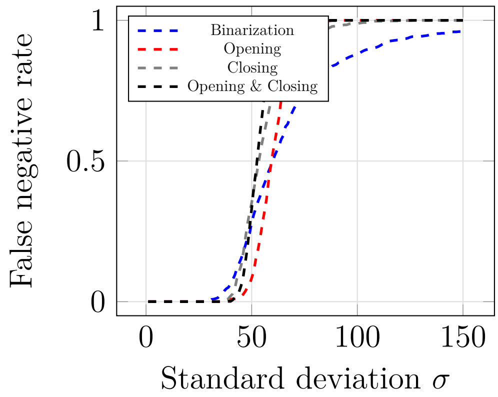
(a) Background pixel at the corner of the rROI.



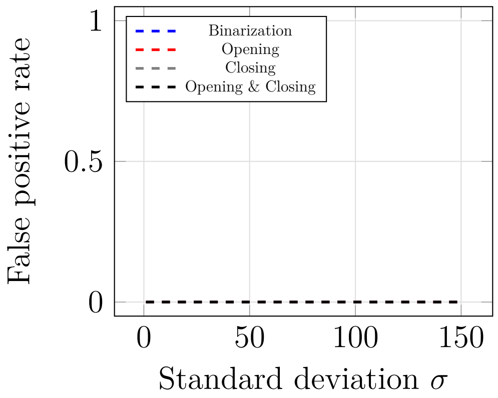
(b) Foreground pixel at the corner of the rROI.



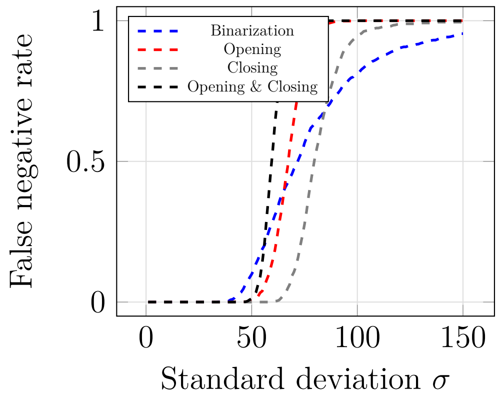
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.

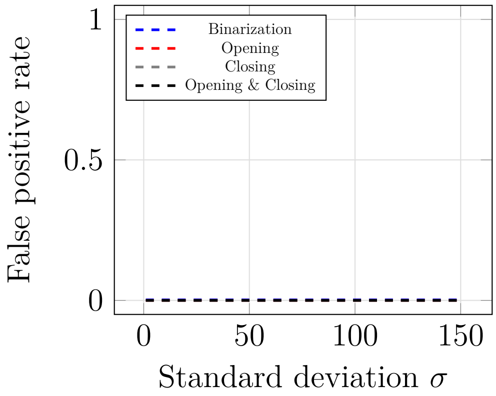


(e) Background pixel surrounded by background.

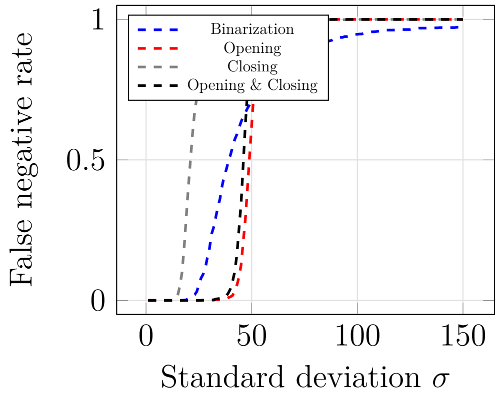


(f) Foreground pixel surrounded by foreground.

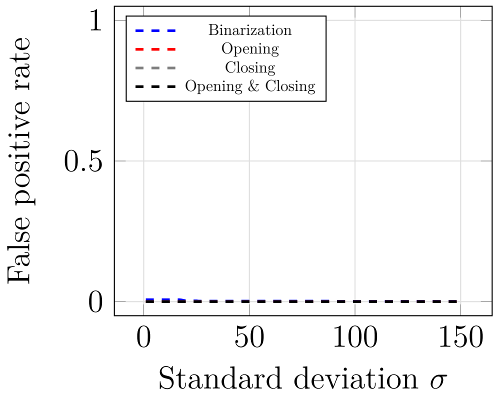
Figure 7: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.01, \varphi = 7$).



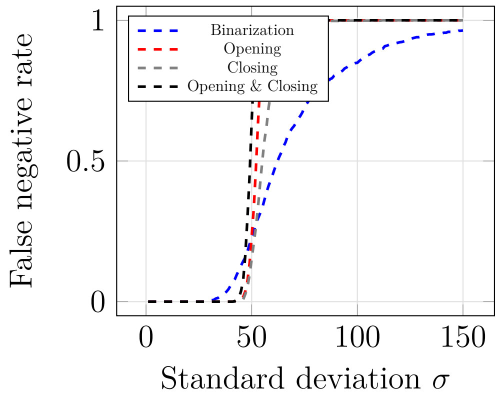
(a) Background pixel at the corner of the rROI.



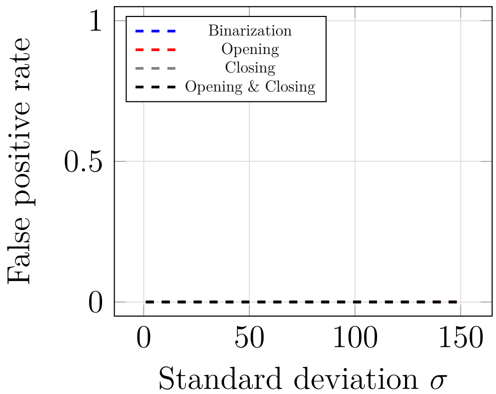
(b) Foreground pixel at the corner of the rROI.



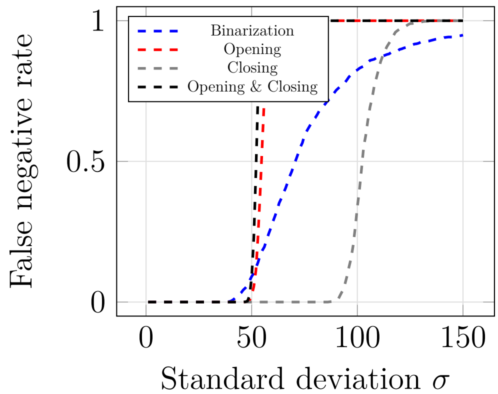
(c) Background pixel at the edge of the rROI.



(d) Foreground pixel at the edge of the rROI.



(e) Background pixel surrounded by background.



(f) Foreground pixel surrounded by foreground.

Figure 8: Error rates after binarization, opening and closing. The x-axes display the standard deviation σ and the y-axes the error rate. For each pixel type 1000 different noises were randomly generated ($\alpha = 0.01, \varphi = 99$).