

2010年5月24日

演習：空間フィルタリング

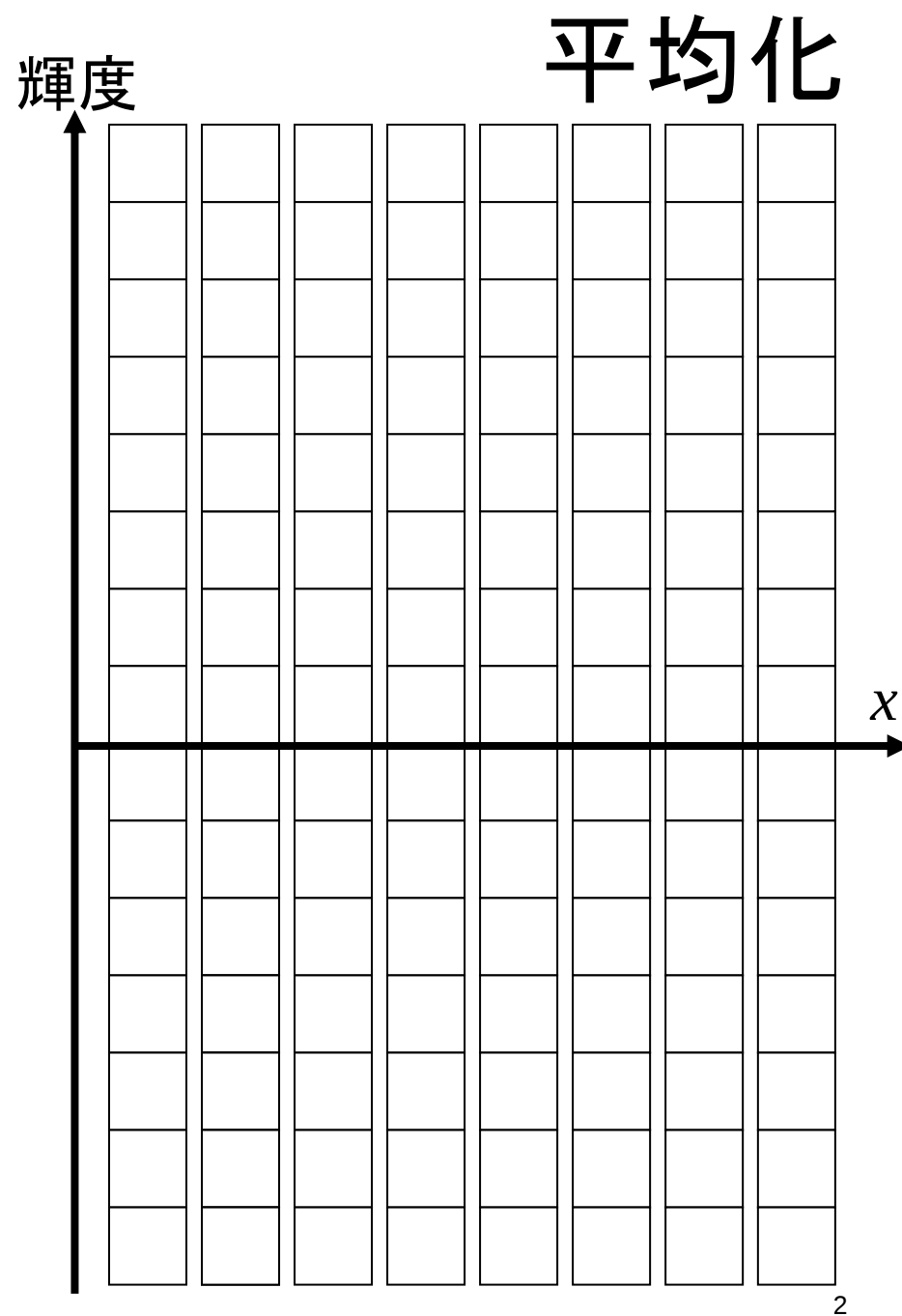
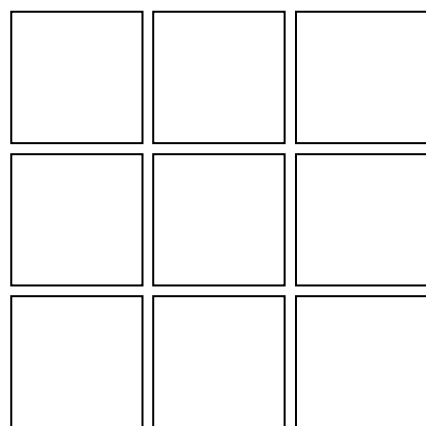
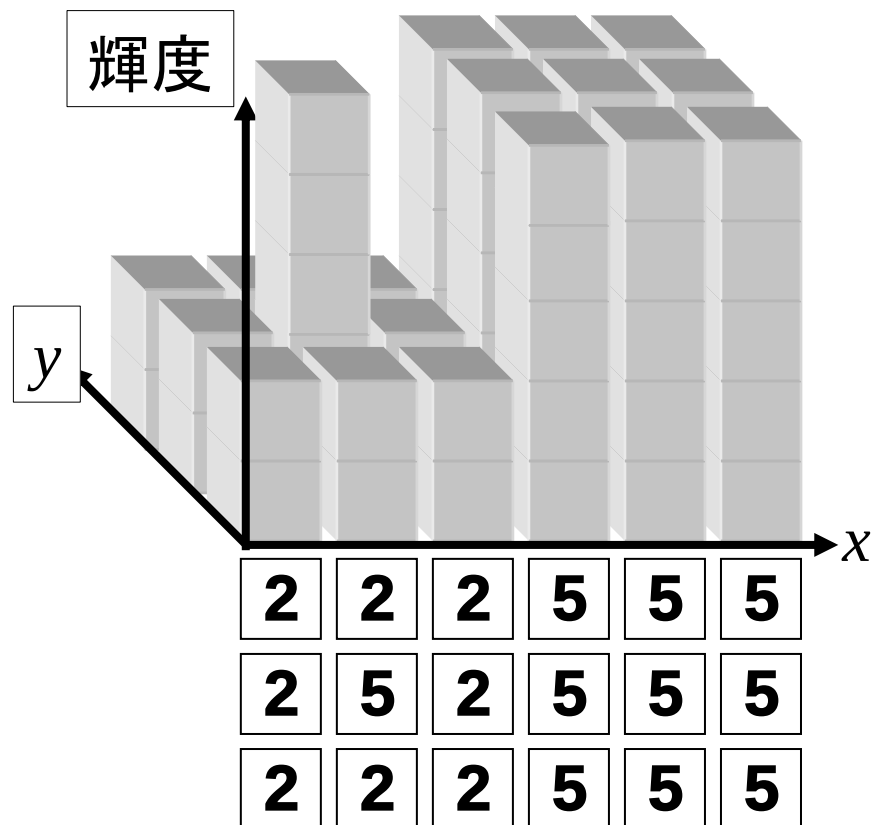
東京電機大学
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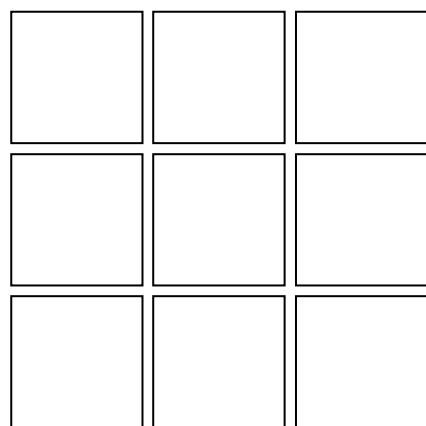
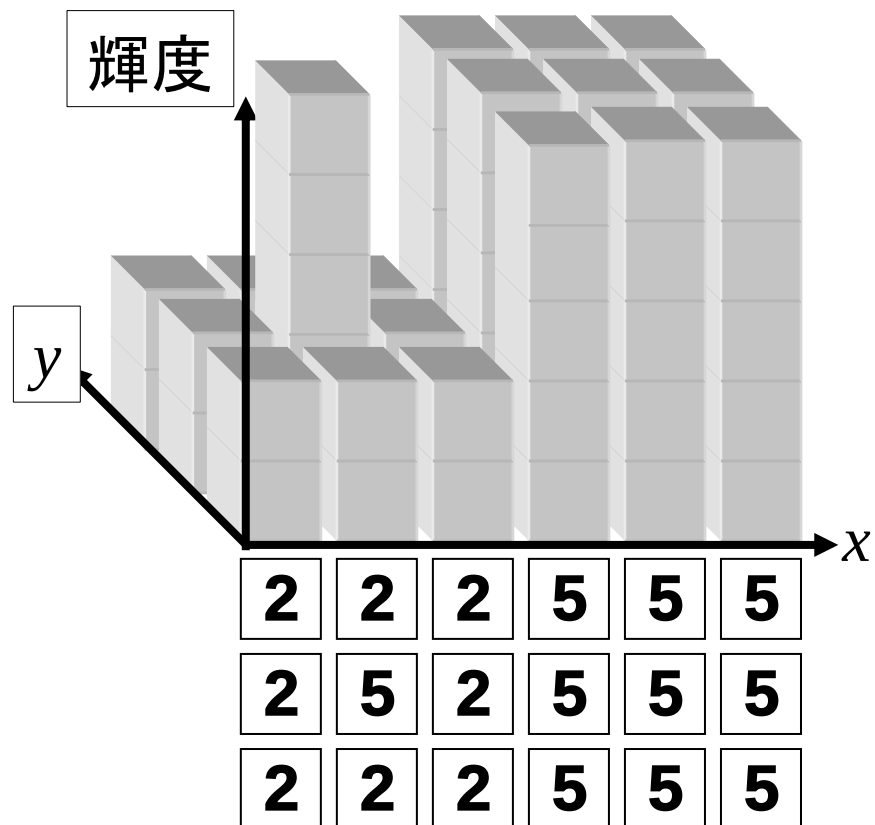
未来科学部
工学部第一部

情報メディア学科
情報メディア学科

「画像処理」
「画像処理と画像編集」

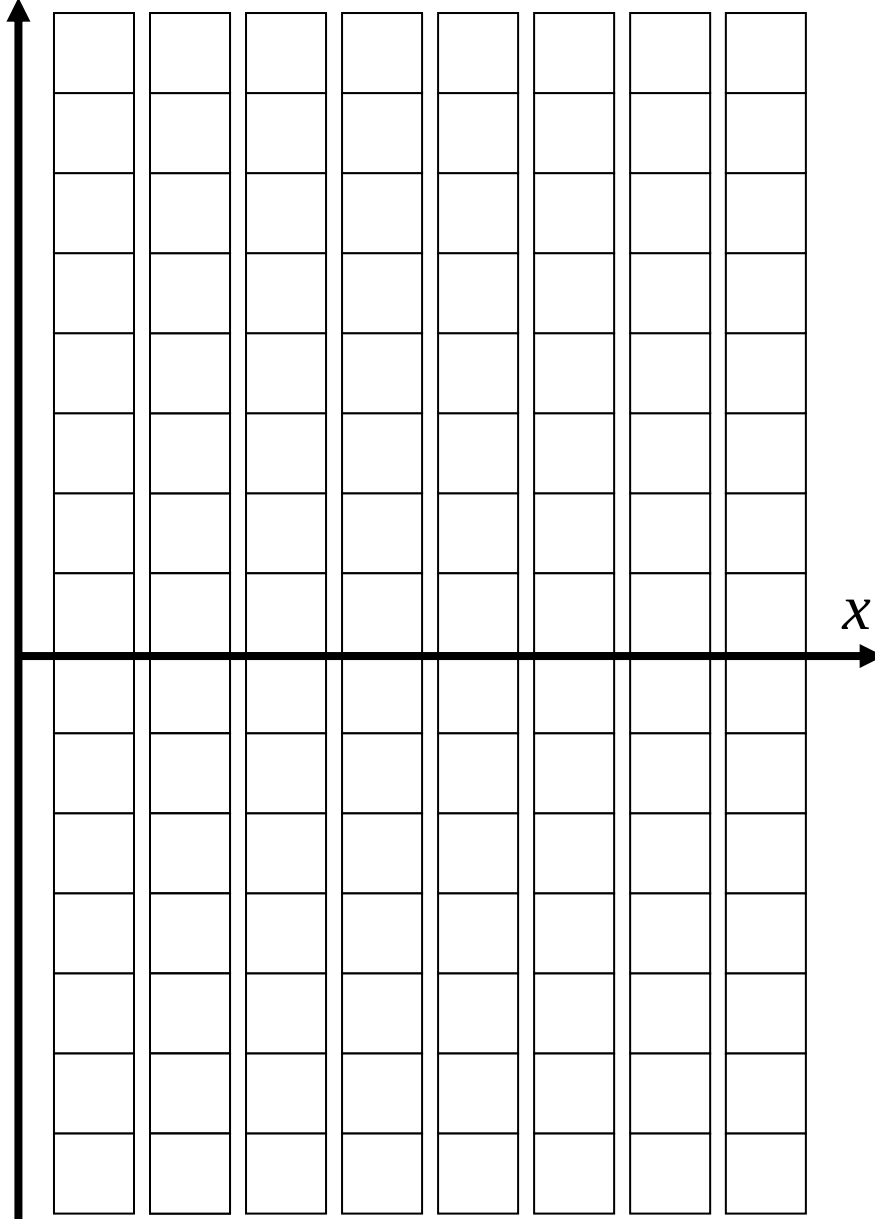
学年	学科	学籍番号	氏名

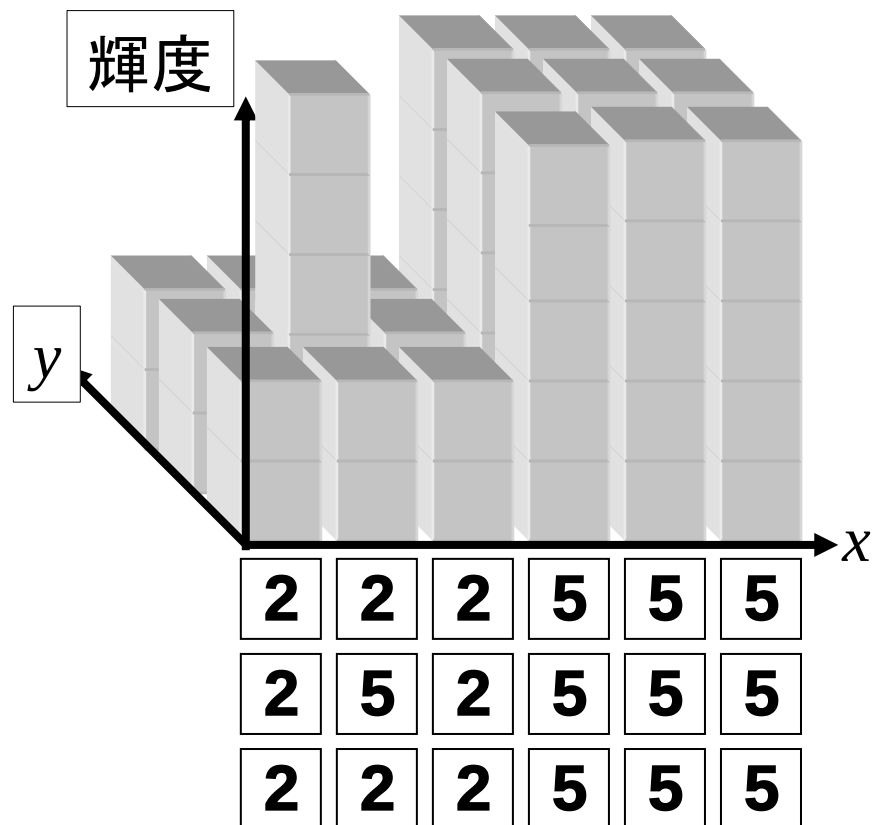




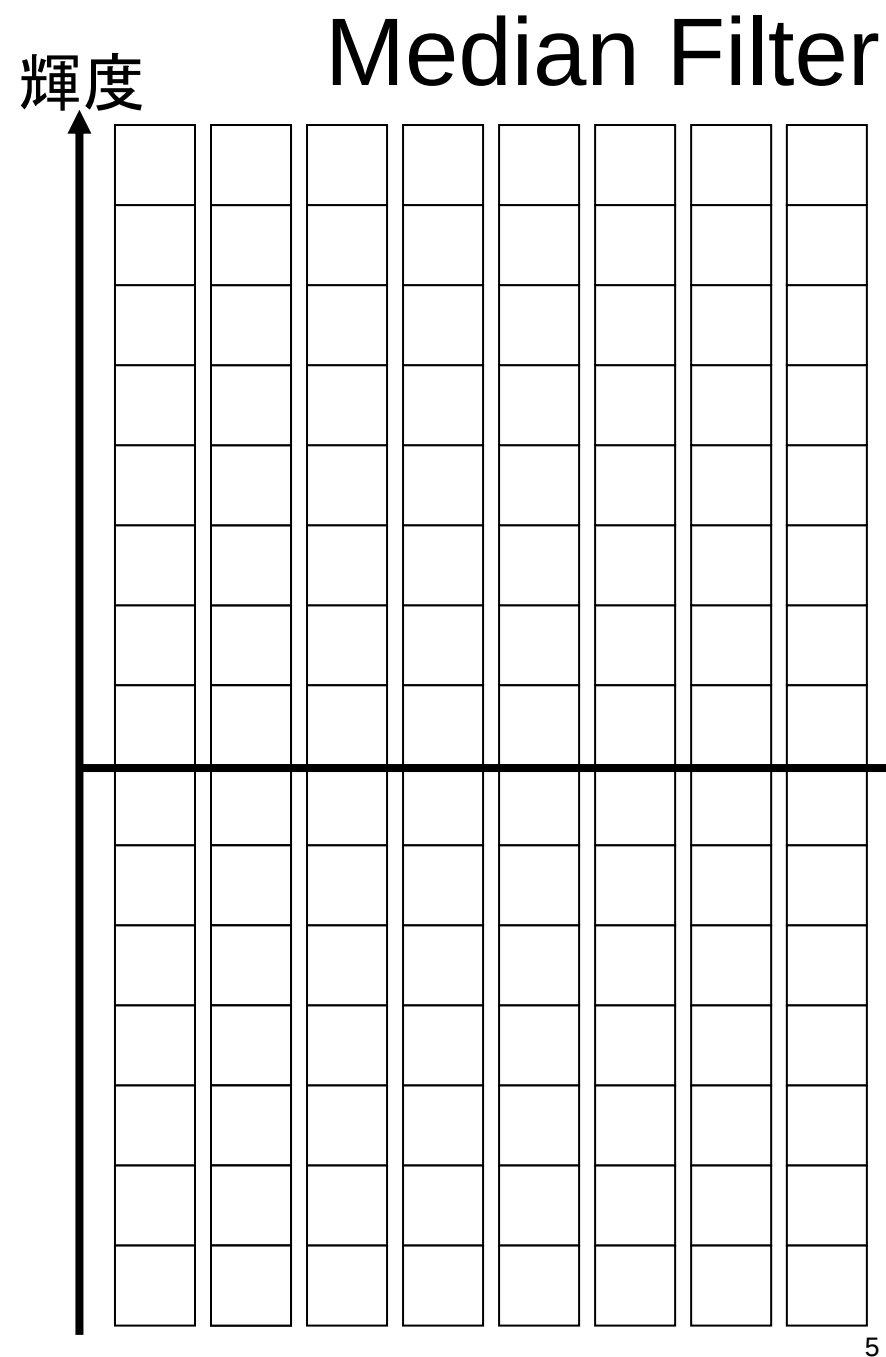
輝度

1次微分(y方向)

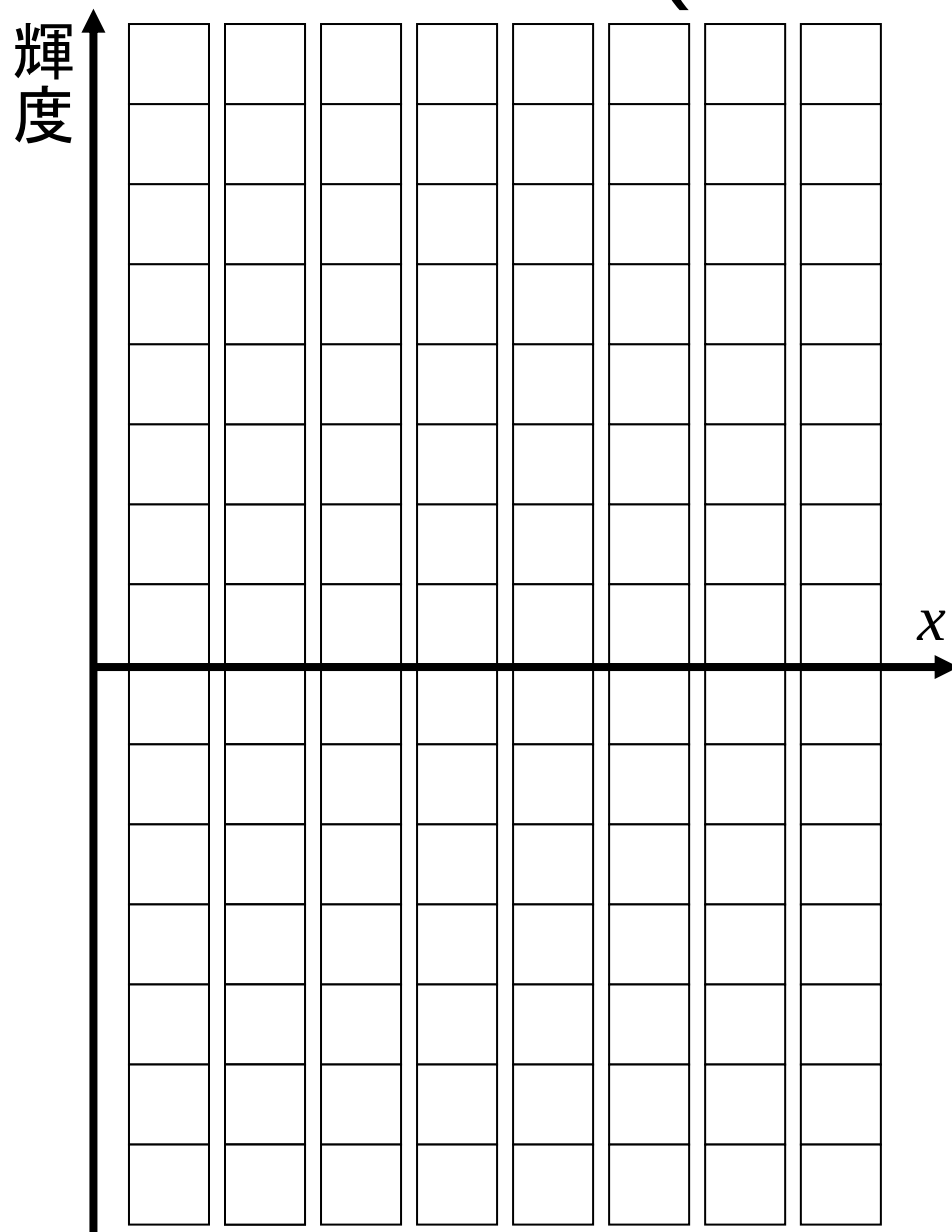
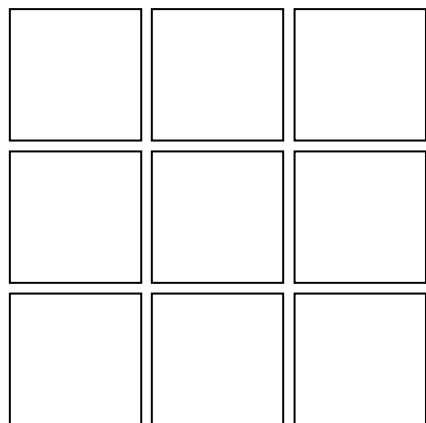
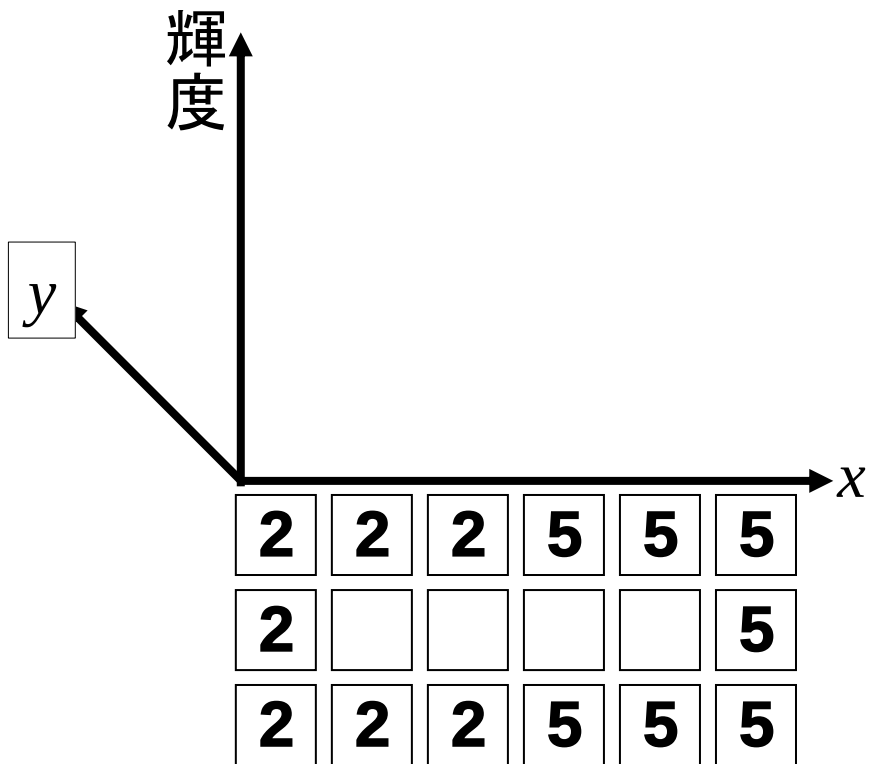




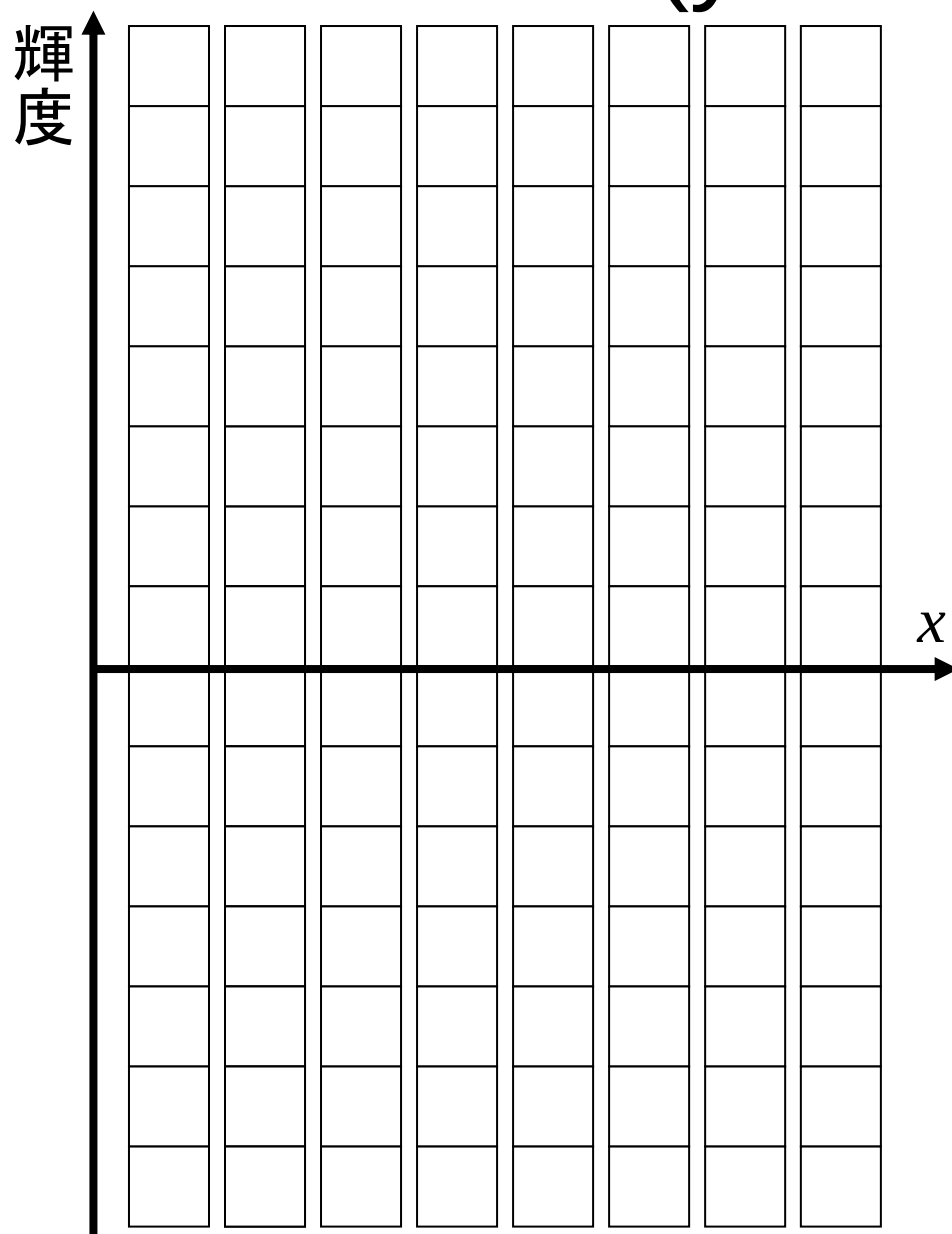
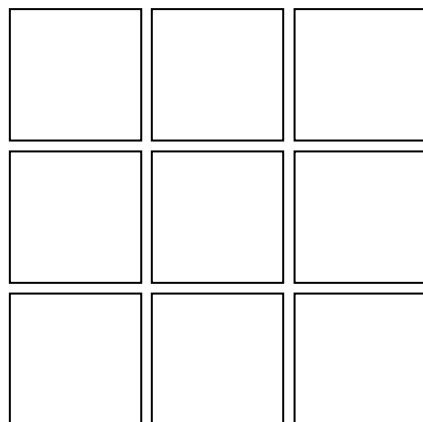
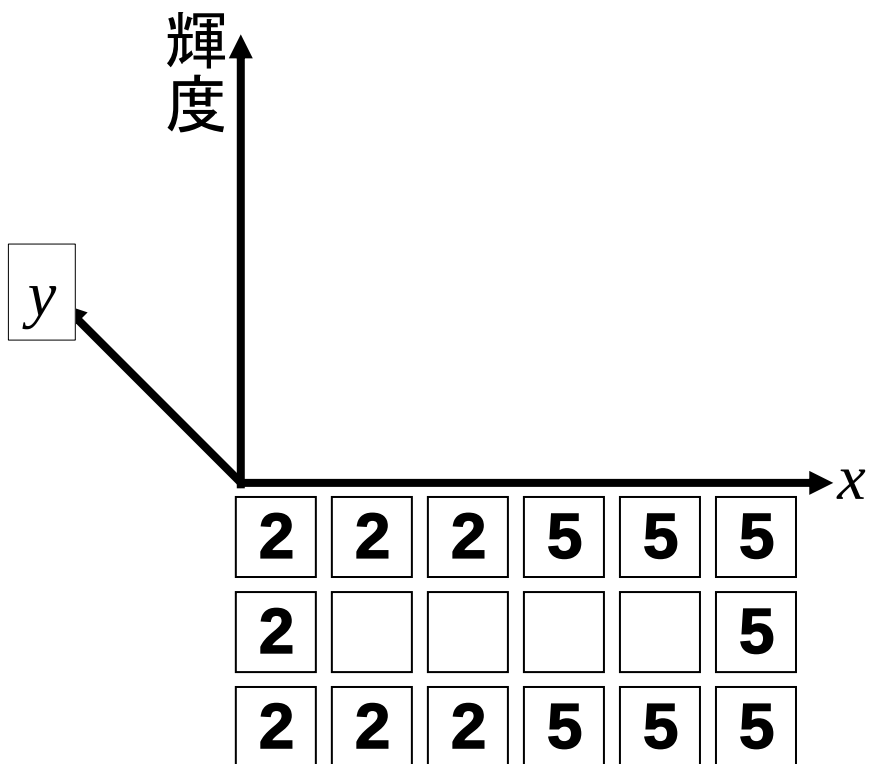
Median
中央値

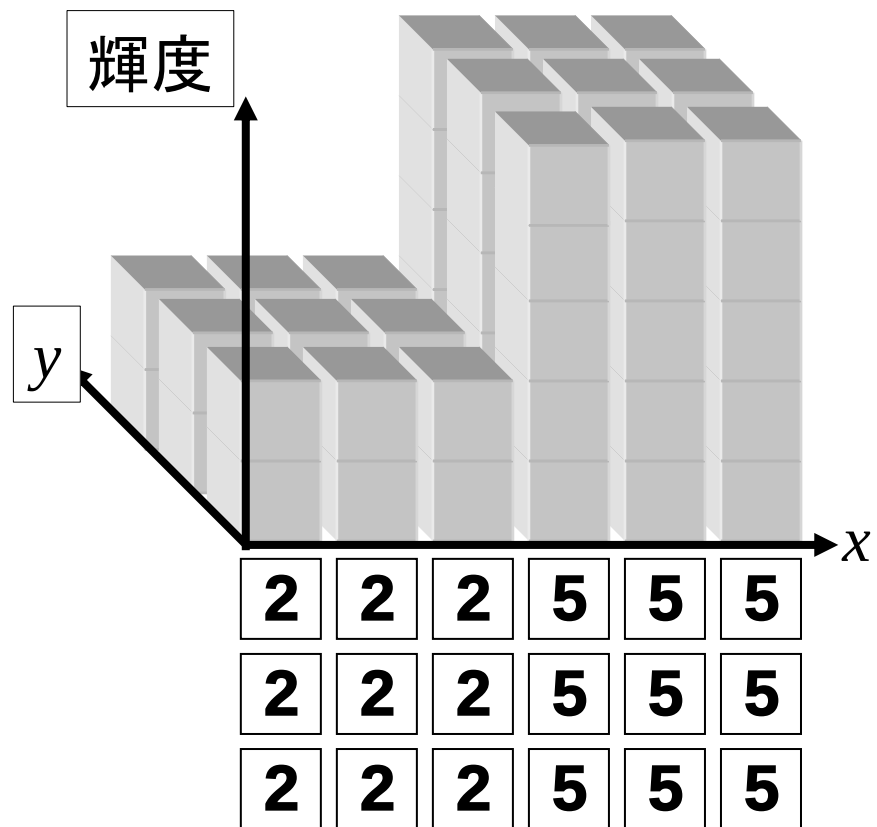


メディアアンフィルタ後の1次微分(x方向)

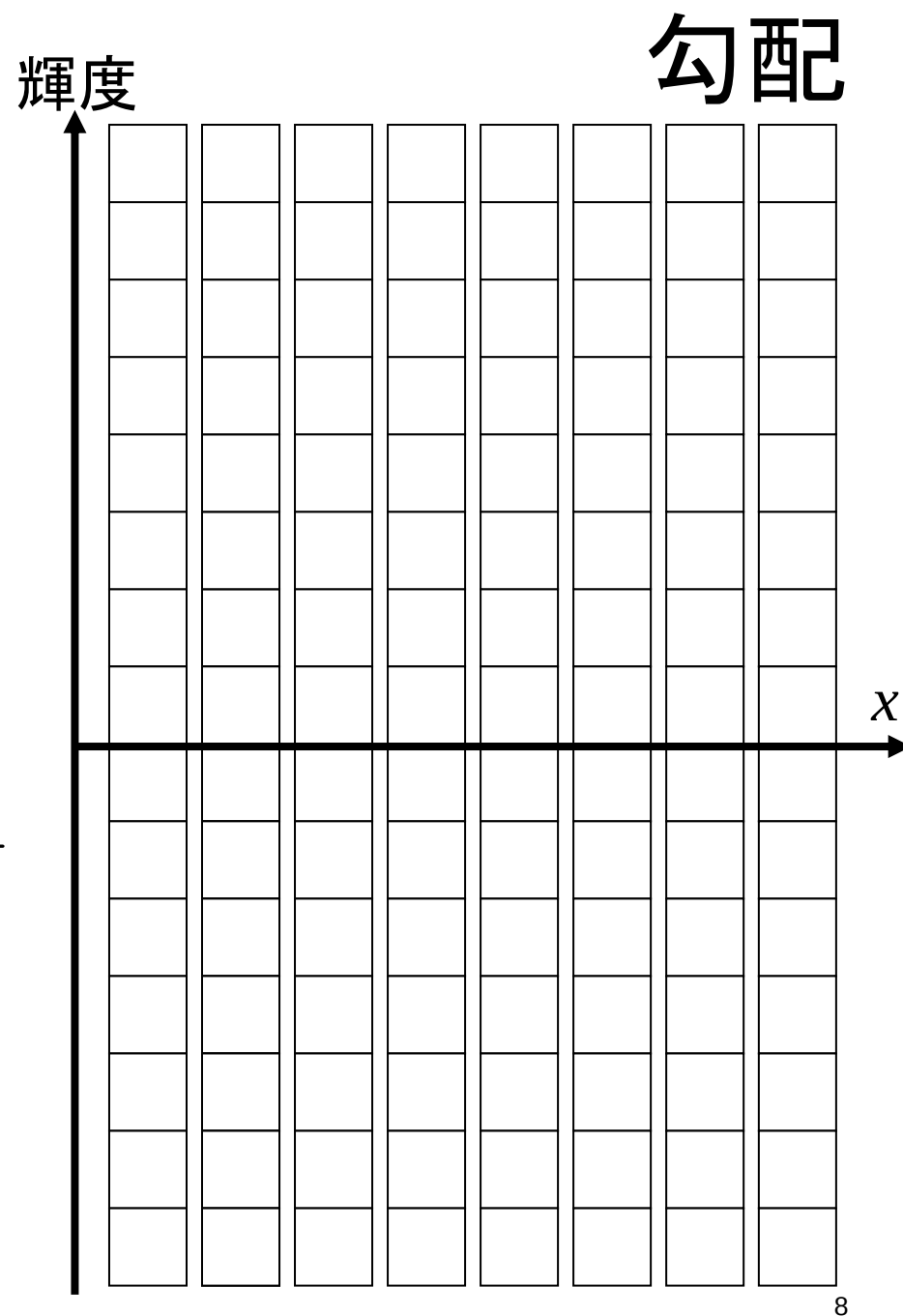


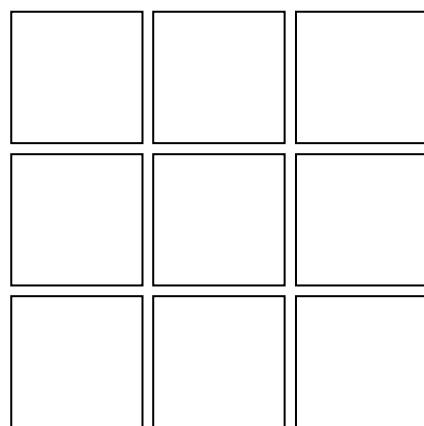
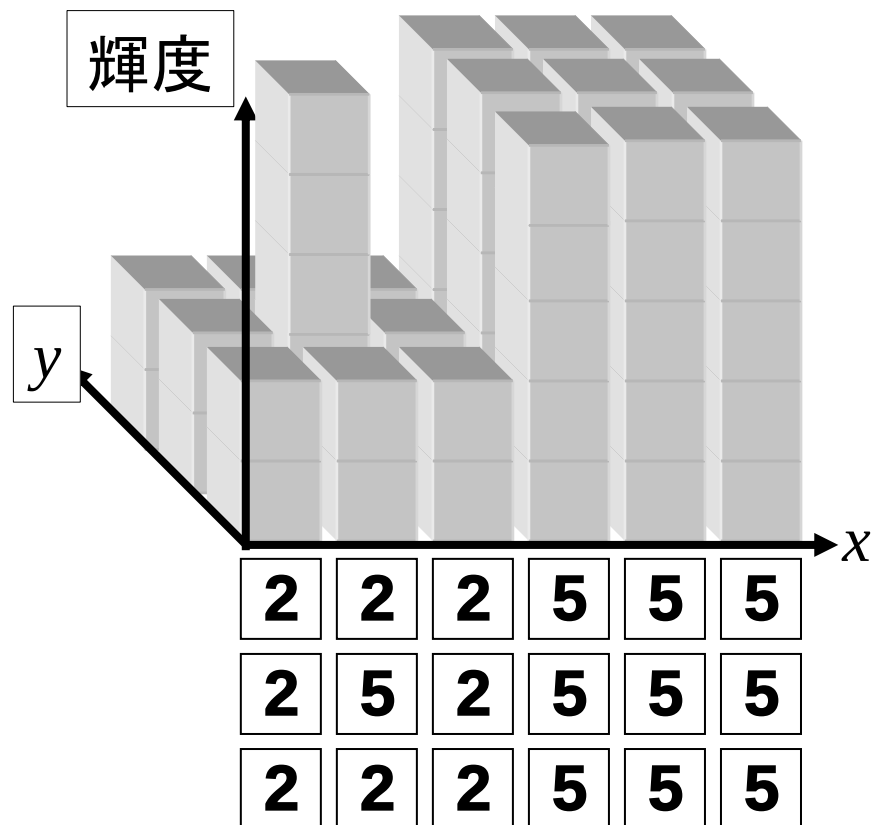
メディアアンフィルタ後の1次微分(y方向)



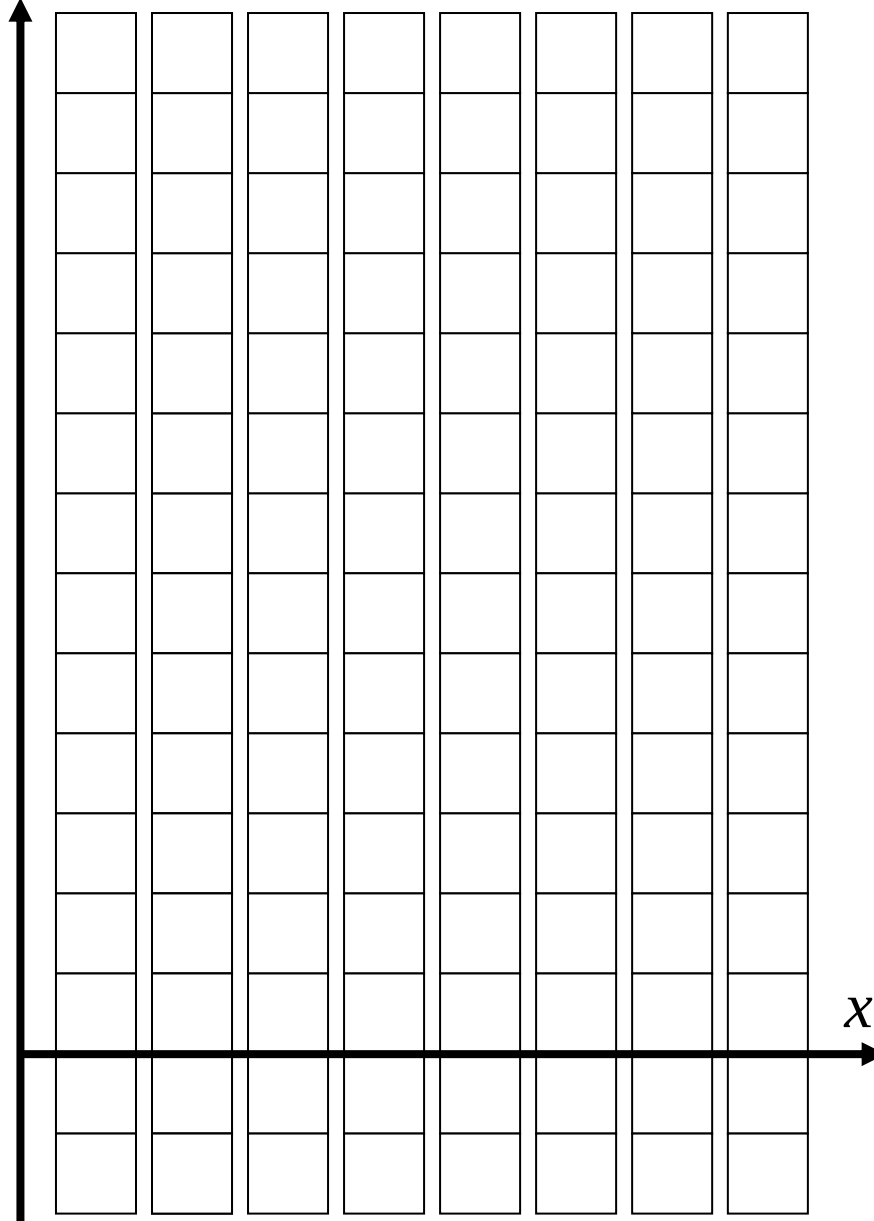


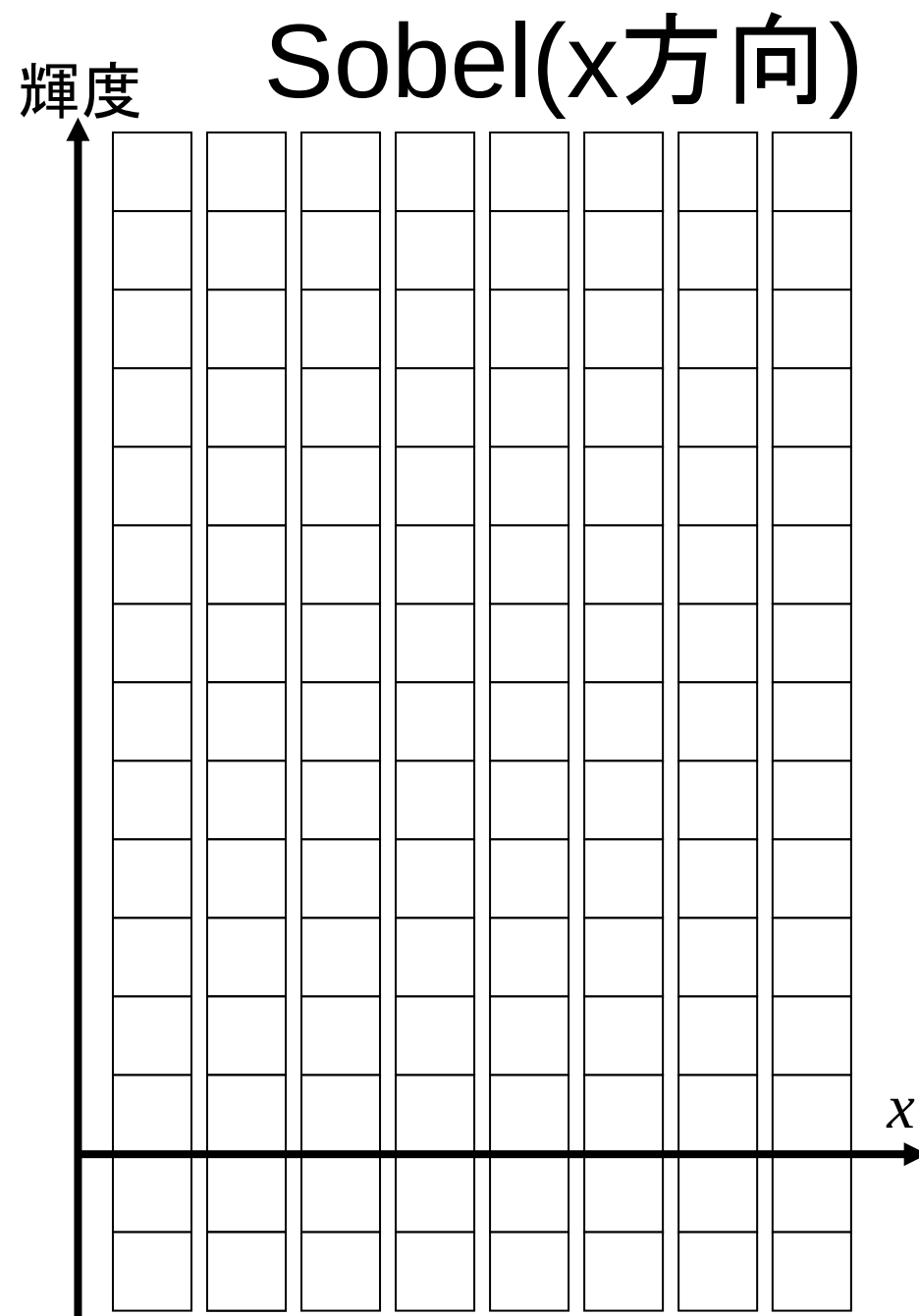
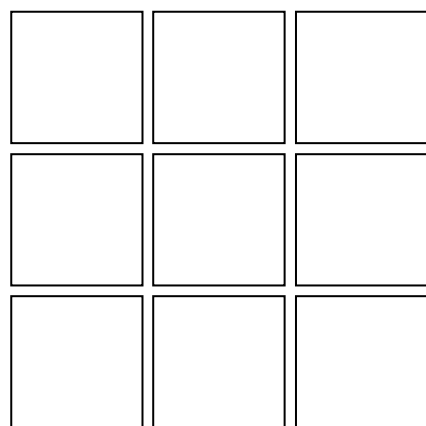
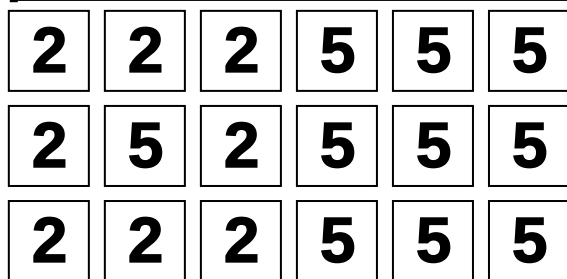
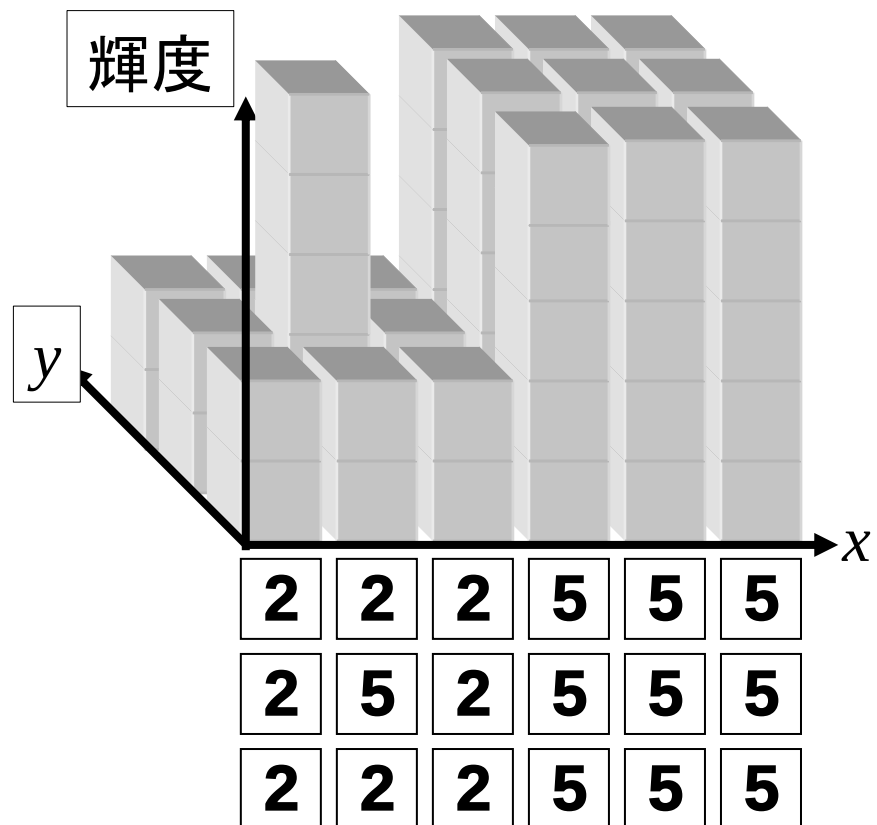
$$\sqrt{(\Delta_x f(i, j))^2 + (\Delta_y f(i, j))^2}$$





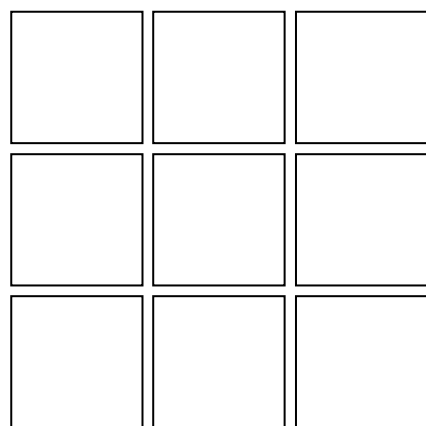
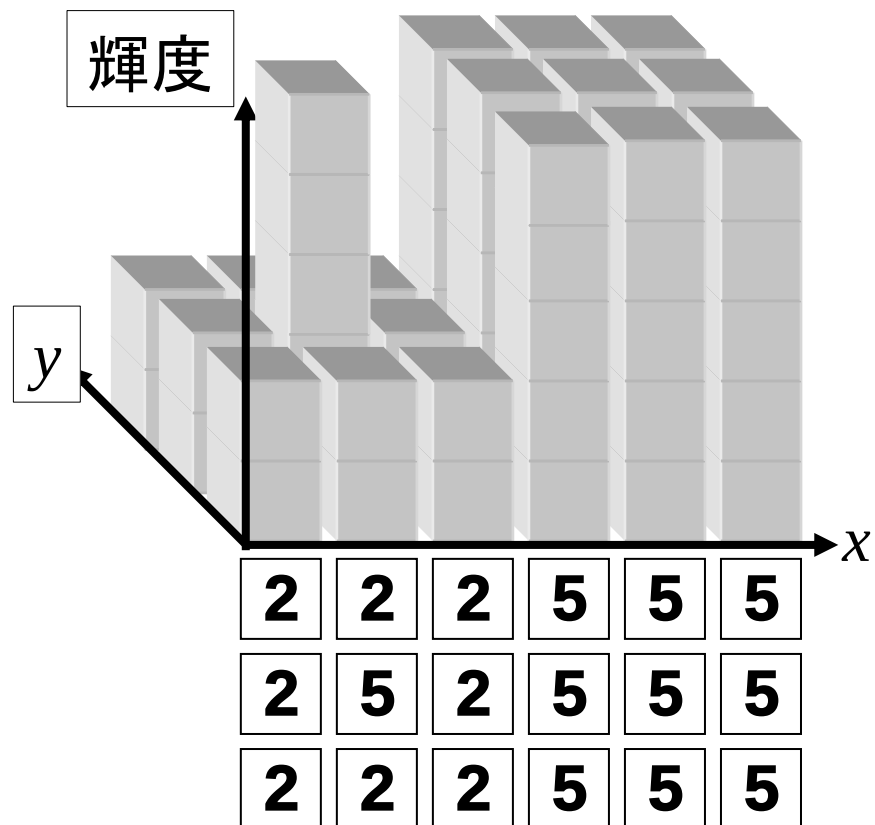
輝度 Prewitt(y方向)





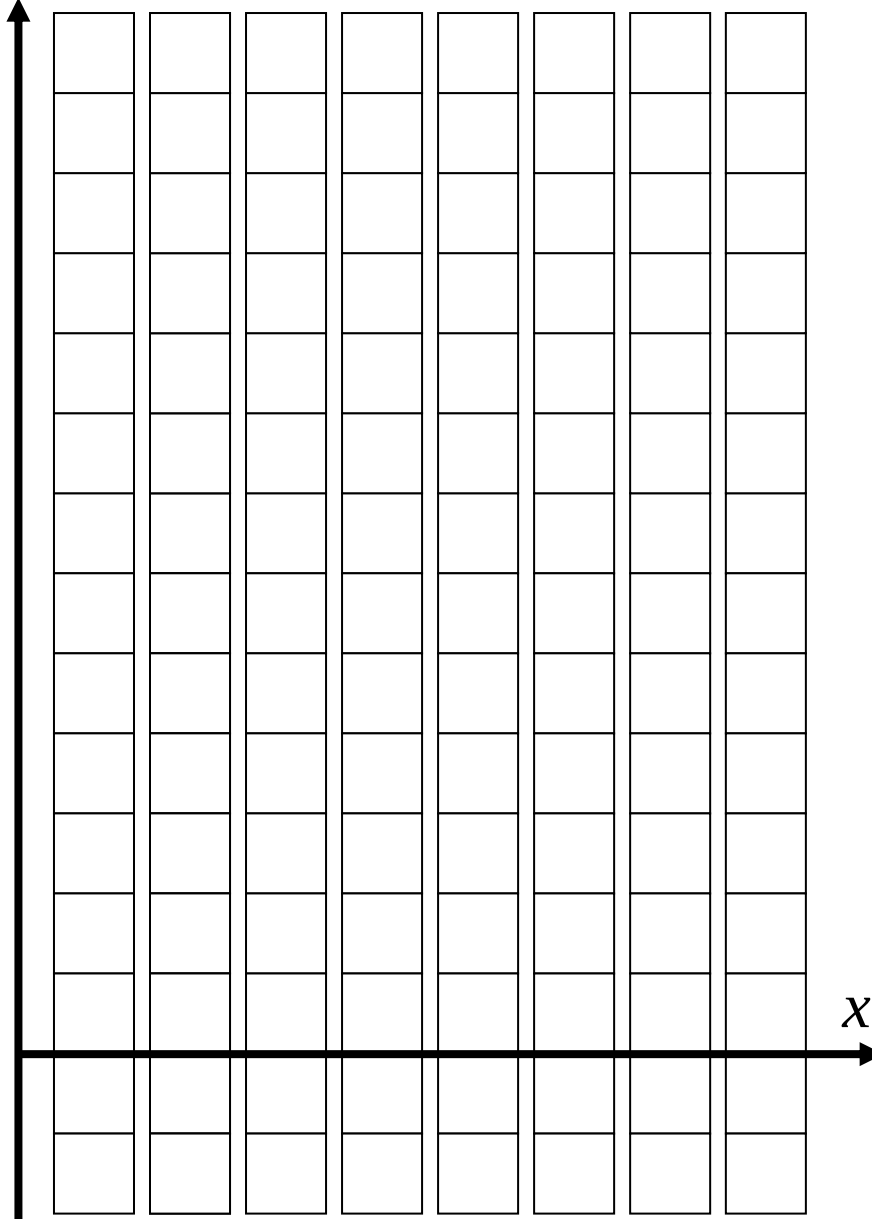
Sobel(x方向)

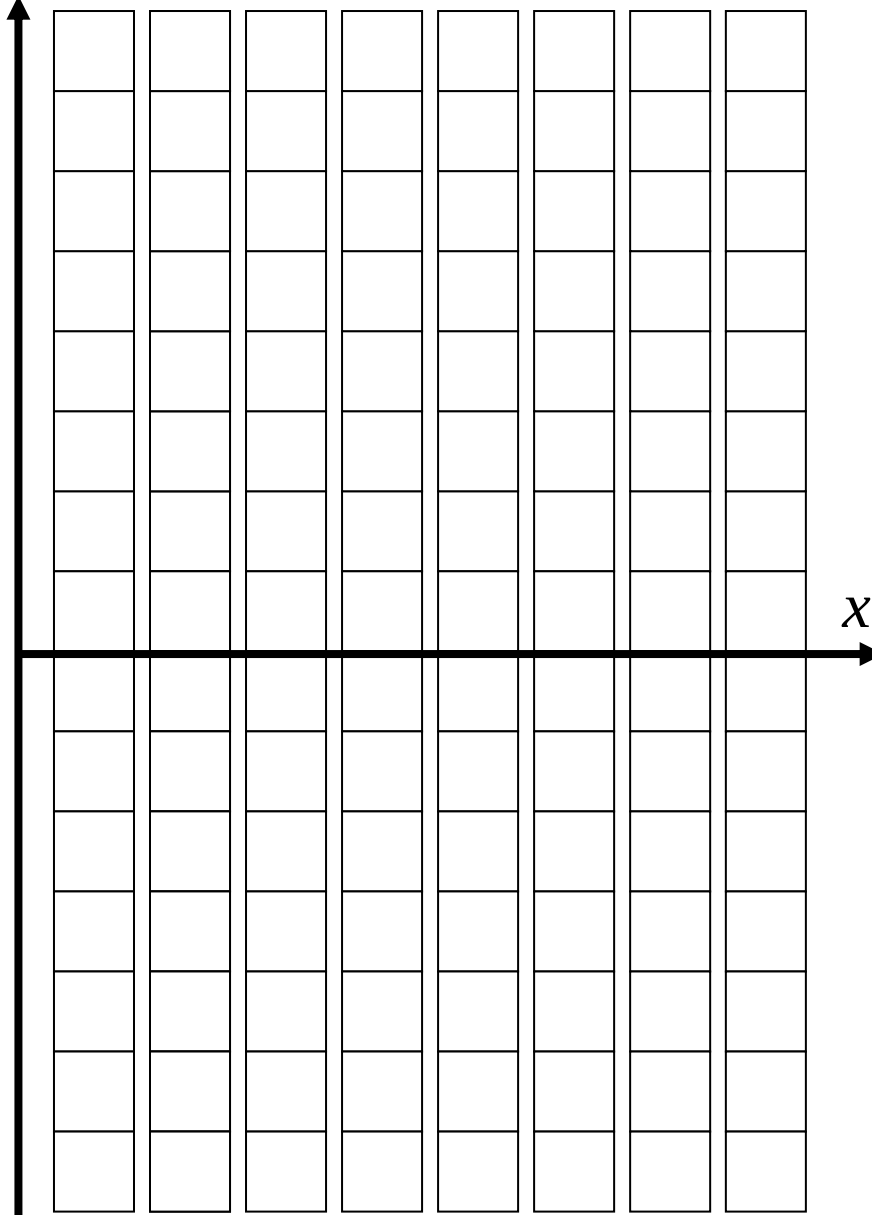
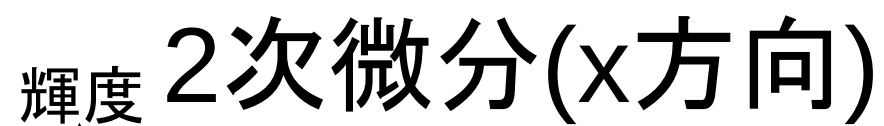
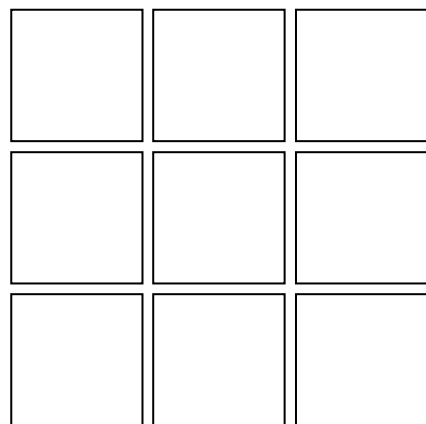
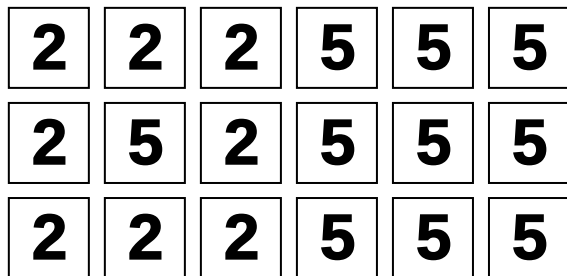
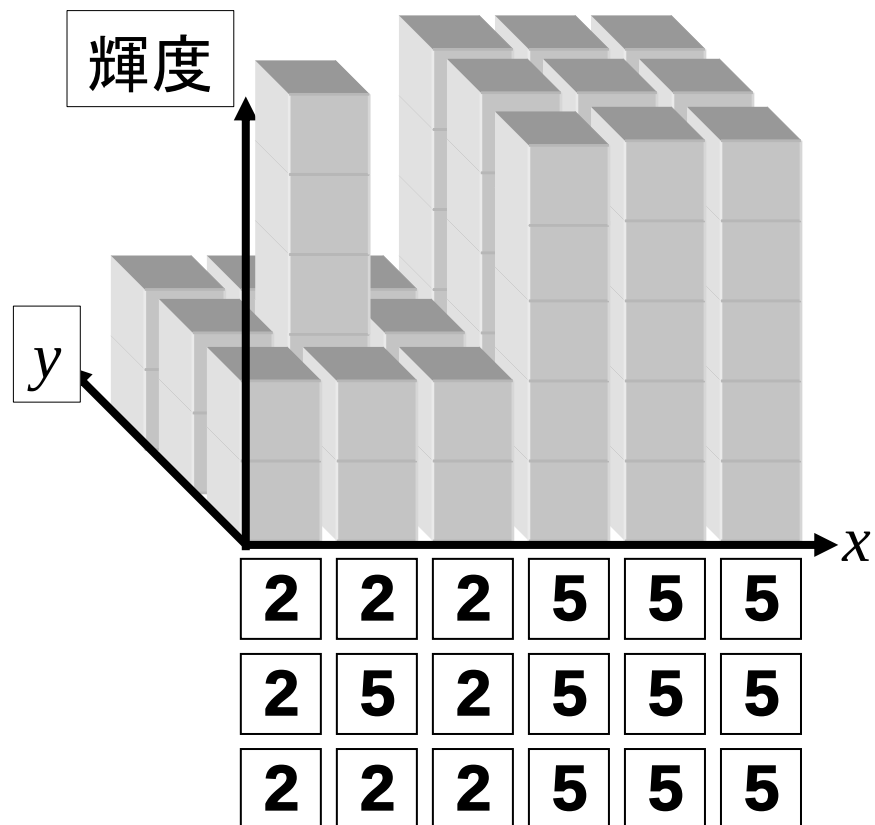
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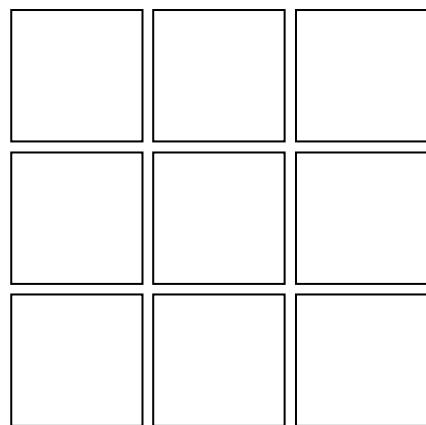
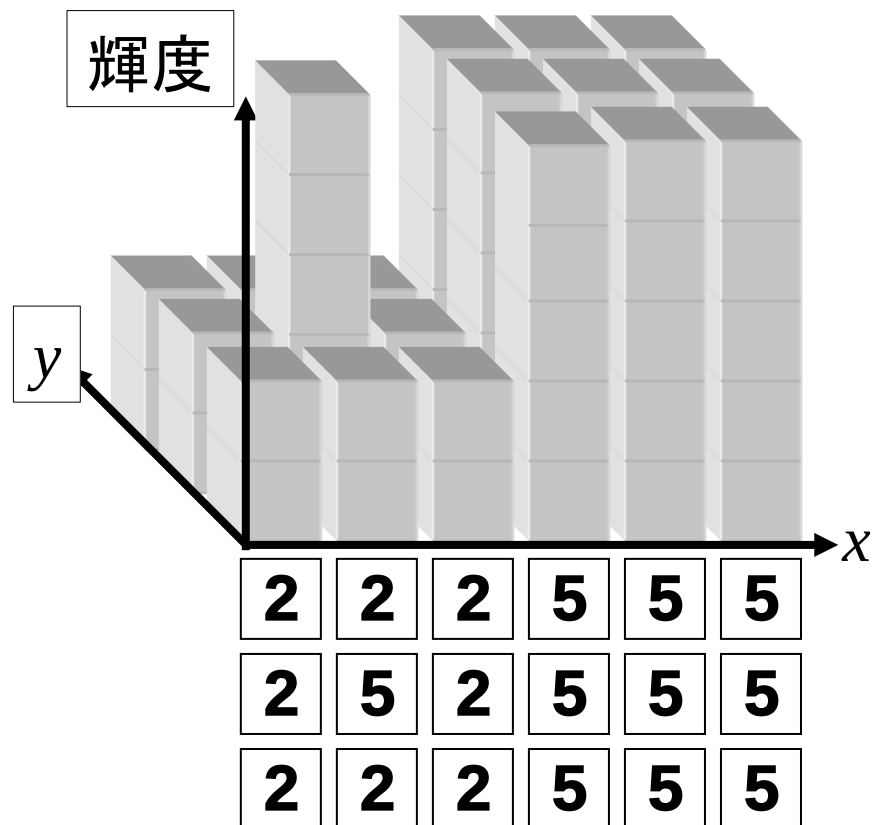


輝度

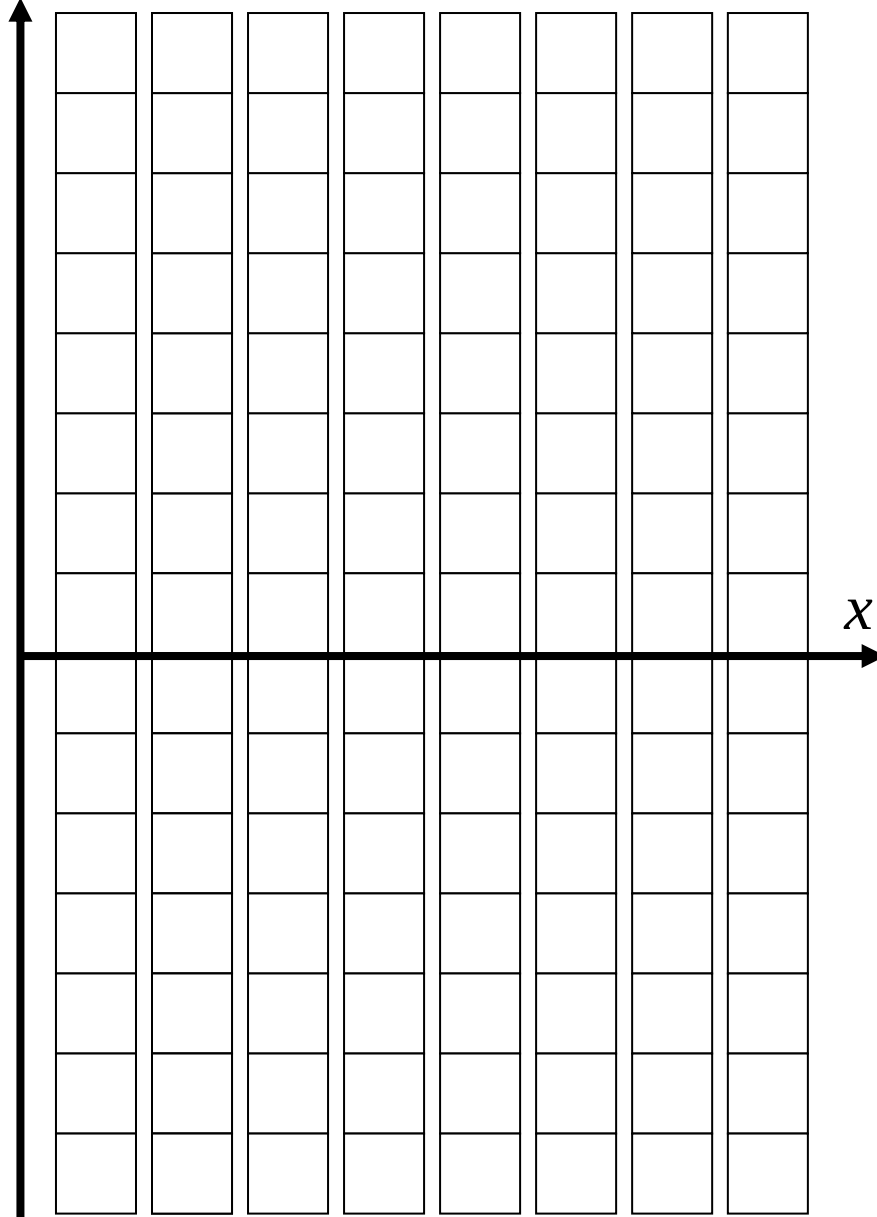
Sobel(y方向)

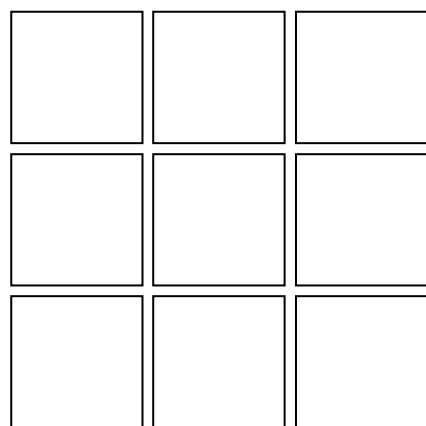
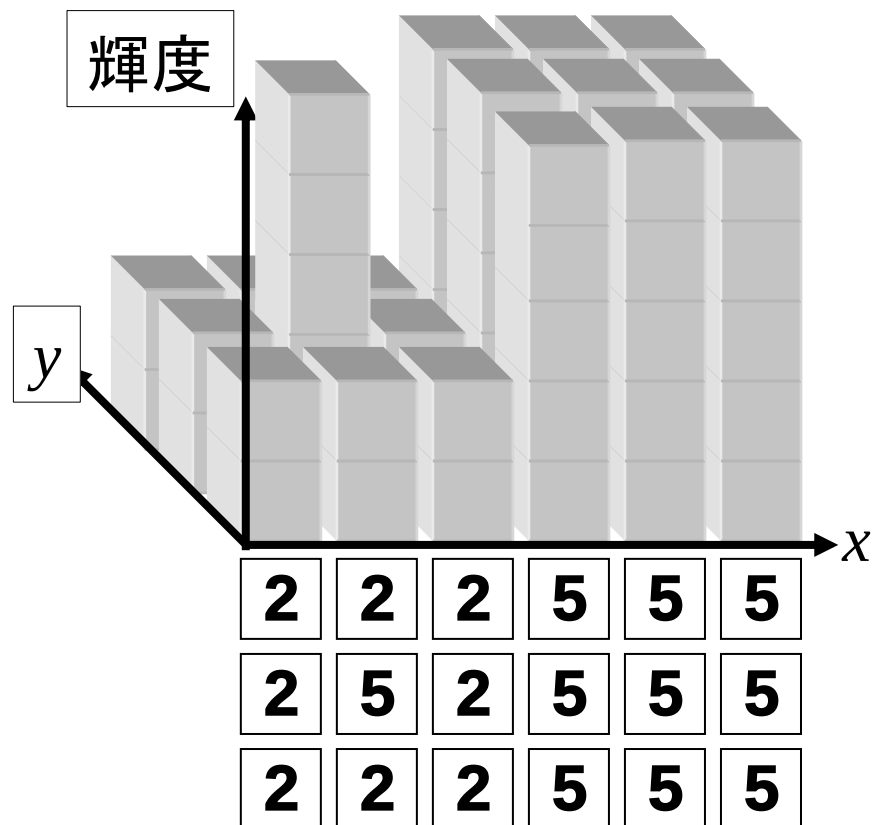






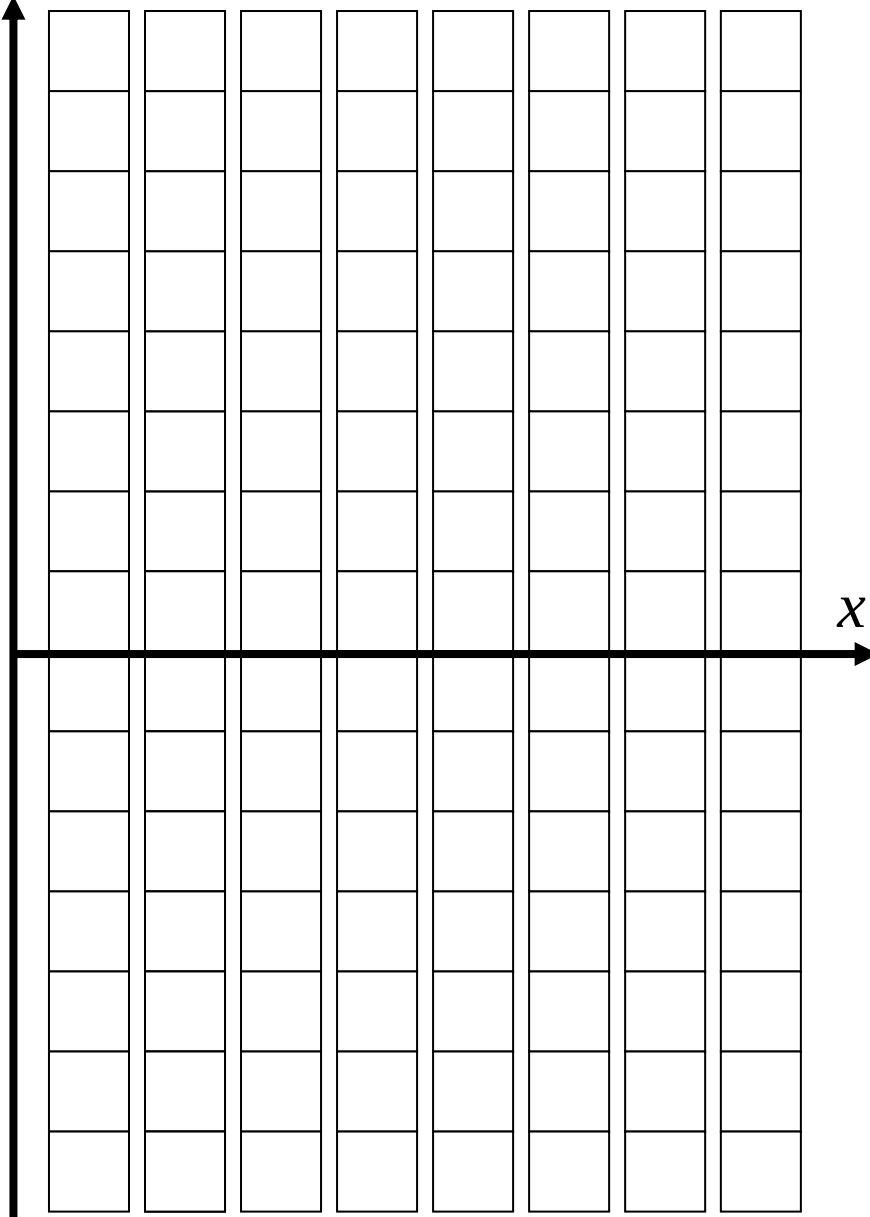
輝度 2次微分(y方向)

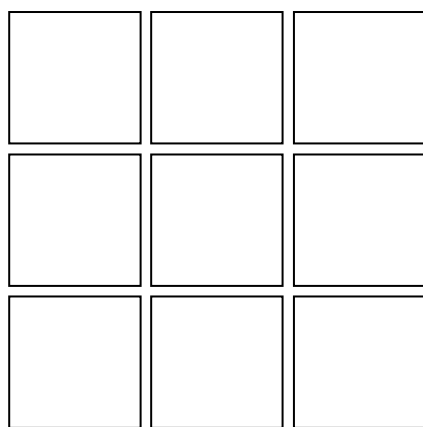
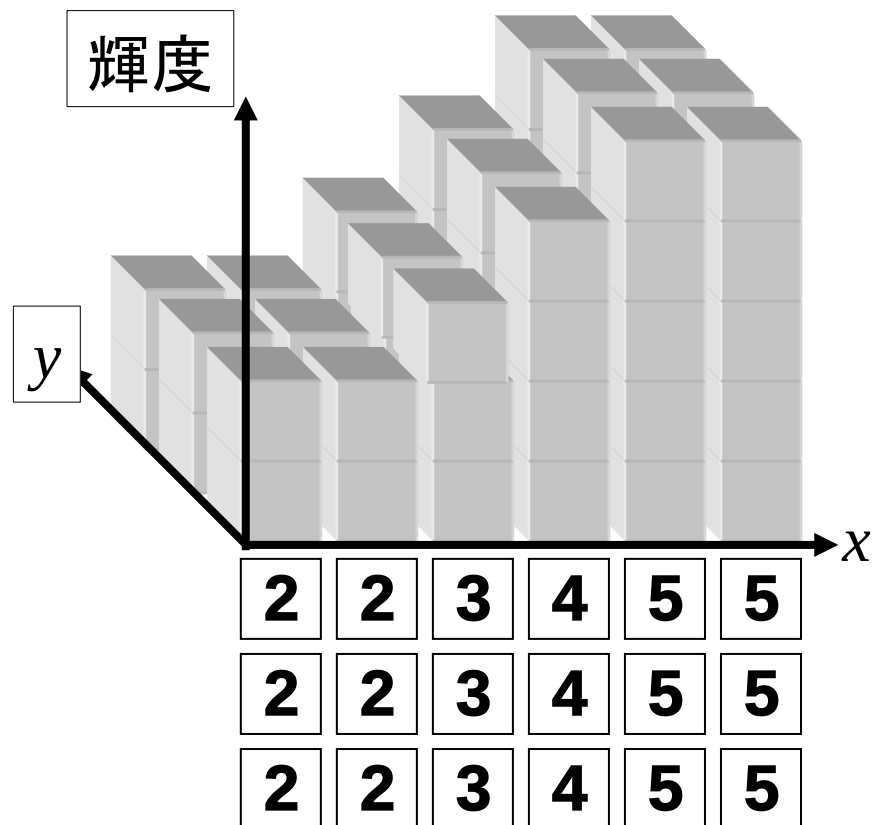




輝度

Laplacian





鮮鋭化フィルタ

