EN 2550 Ex07

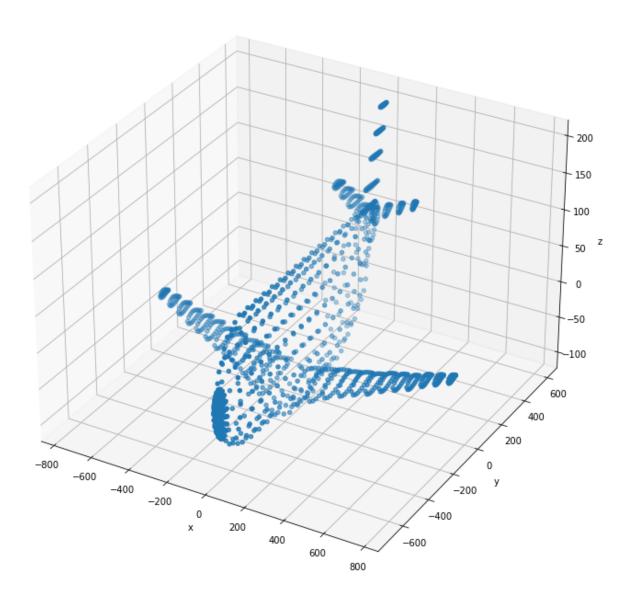
190432J

Pathirana R.P.U.A.

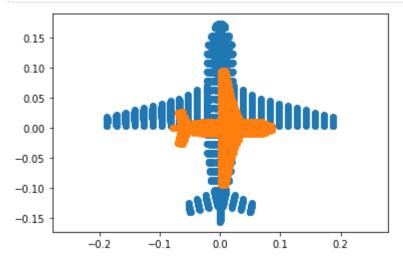
```
In []: import numpy as np
    from plyfile import PlyData, PlyElement # open3d is the standard
    import matplotlib.pyplot as plt
    pcd = PlyData.read('airplane.ply')
    assert pcd is not None
    points = np.concatenate((pcd['vertex']['x'].reshape(1, -1), pcd['vertex']['y'].reshape
    points = points - np.mean(points, axis=1).reshape(3,1)

fig = plt.figure(figsize= (12,12))
    ax = fig.add_subplot(111,projection = '3d')
    ax.scatter(points[0,:],points[1,:],points[2,:])
    ax.set_xlabel('x')
    ax.set_ylabel('y')
    ax.set_zlabel('z')
Out[]:

Text(0.5, 0, 'z')
```



```
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        from plyfile import PlyData, PlyElement # open3d is the standard
        import matplotlib.pyplot as plt
        pcd = PlyData.read('airplane.ply')
        assert pcd is not None
        points = np.concatenate((pcd['vertex']['x'].reshape(1, -1), pcd['vertex']['y'].reshape
        points = points - np.mean(points, axis=1).reshape(3,1)
        ones = np.ones((1,points.shape[1] ))
        x = np.concatenate((points,ones), axis = 0 )
        R = np.array([[1,0,0],[0,1,0],[0,0,1]])
        K = np.array([[1,0,0],[0,1,0],[0,0,1]])
        t = np.array([[0],[0],[-4000]])
        P1 = K @ np.concatenate((R,t),axis=1)
        R = np.array([[0,1,0],
                      [1,0,0],
                      [0,0,1]])
```



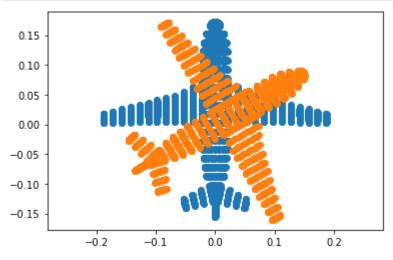
```
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In [ ]:
        from plyfile import PlyData, PlyElement # open3d is the standard
        import matplotlib.pyplot as plt
        pcd = PlyData.read('airplane.ply')
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        ones = np.ones((1,points.shape[1] ))
        x = np.concatenate((points,ones), axis = 0 )
        R = np.array([[1,0,0],[0,1,0],[0,0,1]])
        K = np.array([[1,0,0],[0,1,0],[0,0,1]])
        t = np.array([[0],[0],[-4000]])
        P1 = K @ np.concatenate((R,t),axis=1)
        R = np.array([[0,1,0],
                      [1,0,0],
                      [0,0,1]
        K = np.array([[np.cos(np.pi/6), -1*np.sin(np.pi/6), 0],
                      [np.sin(np.pi/6),np.cos(np.pi/6),0],
                      [0,0,1]]
        t = np.array([[0],[0],[-4000]])
```

```
P2 = K @ np.concatenate((R,t),axis=1)

x1 = P1 @ x
 x2 = P2 @ x
 x1 = x1/x1[2,:]
 x2 = x2/x2[2,:]

fig , ax = plt.subplots(1,1,sharex=True, sharey=True)

ax.scatter(x1[0,:],x1[1,:])
 ax.scatter(x2[0,:],x2[1,:])
 ax.axis('equal')
 plt.show()
```



```
import cv2 as cv
In [ ]:
        import numpy as np
        im = cv.imread(r'earrings.jpg', cv.IMREAD_COLOR)
        assert im is not None
        hsv = cv.cvtColor(im, cv.COLOR BGR2HSV)
        th, bw = cv.threshold(hsv[:,:,1],0,255,cv.THRESH BINARY + cv.THRESH OTSU )
        #Remove dots in the object foreground
        w = 5
        kernal = np.ones((w,w),np.uint8)
        opened = cv.morphologyEx(bw, cv.MORPH_CLOSE,kernal)
        retval , labels , stats , centroids = cv.connectedComponentsWithStats(bw)
        colormapped = cv.applyColorMap((labels/np.amax(labels)*255).astype('uint8'), cv.COLORM
        z = 720
        f = 8
        for i , s in enumerate(stats):
            if i != 0:
                print('item',i,',area in pixels', s[4])
                print('item',i,',area in mm^2', s[4]*(2.2e-3)**2*(z*z)/(f*f))
        fig , ax = plt.subplots(1,5,figsize = (30,10))
        ax[0].imshow(cv.cvtColor(im, cv.COLOR_BGR2RGB))
        ax[0].set_title('Original Image')
        ax[0].set xticks([]), ax[0].set yticks([])
```

```
ax[1].imshow(cv.cvtColor(hsv[:,:,1], cv.COLOR_BGR2RGB))
ax[1].set_xticks([]), ax[1].set_yticks([])

ax[2].imshow(cv.cvtColor(bw, cv.COLOR_BGR2RGB))
ax[2].set_xticks([]), ax[2].set_yticks([])
ax[2].set_title('Black and White Image')

ax[3].imshow(cv.cvtColor(opened, cv.COLOR_BGR2RGB))
ax[3].set_xticks([]), ax[3].set_yticks([])
ax[3].set_title('Opened')

ax[4].imshow(cv.cvtColor(colormapped, cv.COLOR_BGR2RGB))
ax[4].set_xticks([]), ax[4].set_yticks([])
ax[4].set_title('Colormapped')
plt.show()
```

```
item 1 ,area in pixels 59143
item 1 ,area in mm^2 2318.642172
item 2 ,area in pixels 59211
item 2 ,area in mm^2 2321.3080440000003
```











```
import cv2 as cv
In [ ]:
        import numpy as np
        import matplotlib.pyplot as plt
        file name = 'allenkeys.jpg'
        im = cv . imread ( file name , cv .IMREAD REDUCED GRAYSCALE 2)
        canny = cv .Canny(im, 50, 150)
        # Copy edges to the images that will display the results in BGR
        canny_color = cv . cvtColor ( canny , cv .COLOR_GRAY2BGR)
        lines = cv .HoughLines ( canny , 1 , np . pi / 180 , 170 , None , 0 , 0)
        if lines is not None:
            for i in range (0, len(lines)):
                rho = lines[i][0][0]
                theta = lines[i][0][1]
                a = np.cos(theta)
                b = np.sin(theta)
                x0 = a*rho
                y0 = b*rho
                pt1 = (int(x0+1000*(-b)),int(y0 + 1000*(a)))
                pt2 = (int(x0-1000*(-b)),int(y0 - 1000*(a)))
                cv.line(canny color,pt1,pt2,(0,0,255),1,cv.LINE AA)
        fig , ax = plt.subplots(1,3,figsize = (30,10))
        ax[0].imshow(cv.cvtColor(im, cv.COLOR_BGR2RGB))
        ax[0].set title('Original Image')
        ax[0].set xticks([]), ax[0].set yticks([])
        ax[1].imshow(cv.cvtColor(canny, cv.COLOR_BGR2RGB))
        ax[1].set_title('Canny')
        ax[1].set_xticks([]), ax[1].set_yticks([])
```

```
ax[2].imshow(cv.cvtColor(canny_color, cv.COLOR_BGR2RGB))
ax[2].set_xticks([]), ax[2].set_yticks([])
ax[2].set_title('Canny Color')

r = cv.selectROI('Image', canny_color, showCrosshair=True , fromCenter=False)
cv.waitKey(0)
cv . destroyAllWindows ()
print(r)

plt.show()
```

(0, 0, 0, 0)



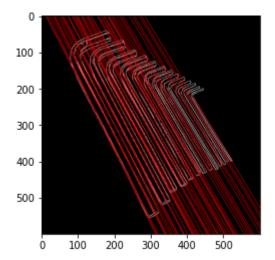




```
In []: x0 , y0 = int(r[0]+r[2]/2),int(r[1]+r[3]/2)
m = b/a # Gradient
m = np.tan(np.median(lines[:,0,1]))
c = y0 - m*x0 #Intercept

cv.line(canny_color,(0,int(c)),(im.shape[0],int(m*im.shape[0]+c)),(0,255,0),2,cv.LINE_
fig , ax = plt.subplots()
ax.imshow(cv.cvtColor(canny_color,cv.COLOR_BGR2RGB))
```

Out[]: <matplotlib.image.AxesImage at 0x18fa63ea1a0>



```
In [ ]: x0 , y0 = int(r[0]+r[2]/2),int(r[1]+r[3]/2)
    m = b/a # Gradient
    m = np.tan(np.median(lines[:,0,1]))
    c = y0 - m*x0 #Intercept

cv.line(canny_color,(0,int(c)),(im.shape[0],int(m*im.shape[0]+c)),(0,255,0),2,cv.LINE_
```

```
fig , ax = plt.subplots()
ax.imshow(cv.cvtColor(canny_color,cv.COLOR_BGR2RGB))

dy = 1
y_subpixel = np.arange(0,im.shape[0]-1,dy)
f_sub_pixel_nn = np.zeros_like(y_subpixel)

z = 720
f = 8

for i,y in enumerate(y_subpixel):
    if i != 0:
        print('item',i,',value in pixels', y)
        print('item',i,',value in mm^2', y*(2.2e-3)**2*(z*z)/(f*f))
```

item 1 , value in pixels 1 item 1 ,value in mm^2 0.039204 item 2 ,value in pixels 2 item 2 ,value in mm^2 0.078408 item 3 , value in pixels 3 item 3 ,value in mm^2 0.117612 item 4 , value in pixels 4 item 4 ,value in mm^2 0.156816 item 5 , value in pixels 5 item 5 ,value in mm^2 0.19602000000000003 item 6 ,value in pixels 6 item 6 ,value in mm^2 0.235224 item 7 ,value in pixels 7 item 7 ,value in mm^2 0.274428 item 8 , value in pixels 8 item 8 ,value in mm^2 0.313632 item 9 , value in pixels 9 item 9 ,value in mm^2 0.35283600000000004 item 10 , value in pixels 10 item 10 ,value in mm^2 0.39204000000000006 item 11 , value in pixels 11 item 11 ,value in mm^2 0.431244 item 12 , value in pixels 12 item 12 ,value in mm^2 0.470448 item 13 , value in pixels 13 item 13 ,value in mm^2 0.509652 item 14 ,value in pixels 14 item 14 ,value in mm^2 0.548856 item 15 , value in pixels 15 item 15 ,value in mm^2 0.58806 item 16 , value in pixels 16 item 16 ,value in mm^2 0.627264 item 17 , value in pixels 17 item 17 ,value in mm^2 0.6664680000000001 item 18 , value in pixels 18 item 18 ,value in mm^2 0.7056720000000001 item 19 ,value in pixels 19 item 19 ,value in mm^2 0.7448760000000001 item 20 , value in pixels 20 item 20 ,value in mm^2 0.784080000000001 item 21 , value in pixels 21 item 21 ,value in mm^2 0.8232840000000001 item 22 , value in pixels 22 item 22 ,value in mm^2 0.862488 item 23 ,value in pixels 23 item 23 ,value in mm^2 0.901692 item 24 , value in pixels 24 item 24 ,value in mm^2 0.940896 item 25 , value in pixels 25 item 25 ,value in mm^2 0.9801 item 26 , value in pixels 26 item 26 ,value in mm^2 1.019304 item 27 , value in pixels 27 item 27 ,value in mm^2 1.0585080000000002 item 28 , value in pixels 28 item 28 ,value in mm^2 1.097712 item 29 , value in pixels 29 item 29 ,value in mm^2 1.136916 item 30 , value in pixels 30 item 30 ,value in mm^2 1.17612

item 31 , value in pixels 31 item 31 ,value in mm^2 1.215324 item 32 ,value in pixels 32 item 32 ,value in mm^2 1.254528 item 33 , value in pixels 33 item 33 ,value in mm^2 1.2937319999999999 item 34 , value in pixels 34 item 34 ,value in mm^2 1.3329360000000001 item 35 ,value in pixels 35 item 35 ,value in mm^2 1.37214 item 36 , value in pixels 36 item 36 ,value in mm^2 1.4113440000000002 item 37 , value in pixels 37 item 37 ,value in mm^2 1.450548 item 38 , value in pixels 38 item 38 ,value in mm^2 1.4897520000000002 item 39 , value in pixels 39 item 39 ,value in mm^2 1.528956 item 40 , value in pixels 40 item 40 ,value in mm^2 1.5681600000000002 item 41 , value in pixels 41 item 41 ,value in mm^2 1.607364 item 42 , value in pixels 42 item 42 ,value in mm^2 1.6465680000000003 item 43 ,value in pixels 43 item 43 ,value in mm^2 1.685772 item 44 ,value in pixels 44 item 44 ,value in mm^2 1.724976 item 45 , value in pixels 45 item 45 ,value in mm^2 1.76418 item 46 , value in pixels 46 item 46 ,value in mm^2 1.803384 item 47 , value in pixels 47 item 47 ,value in mm^2 1.8425880000000001 item 48 ,value in pixels 48 item 48 ,value in mm^2 1.881792 item 49 ,value in pixels 49 item 49 ,value in mm^2 1.920996000000001 item 50 , value in pixels 50 item 50 ,value in mm^2 1.9602 item 51 , value in pixels 51 item 51 ,value in mm^2 1.9994040000000002 item 52 , value in pixels 52 item 52 ,value in mm^2 2.038608 item 53 ,value in pixels 53 item 53 ,value in mm^2 2.077811999999998 item 54 , value in pixels 54 item 54 ,value in mm^2 2.1170160000000005 item 55 , value in pixels 55 item 55 ,value in mm^2 2.1562200000000002 item 56 , value in pixels 56 item 56 ,value in mm^2 2.195424 item 57 , value in pixels 57 item 57 ,value in mm^2 2.234628 item 58 , value in pixels 58 item 58 ,value in mm^2 2.273832 item 59 ,value in pixels 59 item 59 ,value in mm^2 2.3130360000000003 item 60 , value in pixels 60 item 60 ,value in mm^2 2.35224

item 61 , value in pixels 61 item 61 ,value in mm^2 2.391444 item 62 , value in pixels 62 item 62 ,value in mm^2 2.430648 item 63 , value in pixels 63 item 63 ,value in mm^2 2.4698520000000004 item 64 , value in pixels 64 item 64 ,value in mm^2 2.509056 item 65 ,value in pixels 65 item 65 ,value in mm^2 2.54826 item 66 ,value in pixels 66 item 66 ,value in mm^2 2.5874639999999998 item 67 , value in pixels 67 item 67 ,value in mm^2 2.6266680000000004 item 68 , value in pixels 68 item 68 ,value in mm^2 2.6658720000000002 item 69 , value in pixels 69 item 69 ,value in mm^2 2.705076 item 70 , value in pixels 70 item 70 , value in mm^2 2.74428 item 71 , value in pixels 71 item 71 ,value in mm^2 2.7834840000000005 item 72 , value in pixels 72 item 72 ,value in mm^2 2.8226880000000003 item 73 , value in pixels 73 item 73 ,value in mm^2 2.861892 item 74 ,value in pixels 74 item 74 ,value in mm^2 2.901096 item 75 , value in pixels 75 item 75 , value in mm^2 2.9403 item 76 , value in pixels 76 item 76 ,value in mm^2 2.9795040000000004 item 77 , value in pixels 77 item 77 ,value in mm^2 3.018708 item 78 ,value in pixels 78 item 78 ,value in mm^2 3.057912 item 79 ,value in pixels 79 item 79 ,value in mm^2 3.097116 item 80 , value in pixels 80 item 80 ,value in mm^2 3.1363200000000004 item 81 , value in pixels 81 item 81 ,value in mm^2 3.1755240000000002 item 82 , value in pixels 82 item 82 ,value in mm^2 3.214728 item 83 ,value in pixels 83 item 83 ,value in mm^2 3.253932 item 84 , value in pixels 84 item 84 ,value in mm^2 3.2931360000000005 item 85 , value in pixels 85 item 85 ,value in mm^2 3.3323400000000003 item 86 , value in pixels 86 item 86 ,value in mm^2 3.371544 item 87 , value in pixels 87 item 87 ,value in mm^2 3.410748 item 88 , value in pixels 88 item 88 ,value in mm^2 3.449952 item 89 , value in pixels 89 item 89 ,value in mm^2 3.4891560000000004 item 90 , value in pixels 90 item 90 ,value in mm^2 3.52836

item 91 , value in pixels 91 item 91 ,value in mm^2 3.567564 item 92 , value in pixels 92 item 92 ,value in mm^2 3.606768 item 93 , value in pixels 93 item 93 ,value in mm^2 3.6459720000000004 item 94 , value in pixels 94 item 94 ,value in mm^2 3.6851760000000002 item 95 ,value in pixels 95 item 95 ,value in mm^2 3.72438 item 96 , value in pixels 96 item 96 ,value in mm^2 3.763584 item 97 , value in pixels 97 item 97 ,value in mm^2 3.8027880000000005 item 98 , value in pixels 98 item 98 ,value in mm^2 3.8419920000000003 item 99 , value in pixels 99 item 99 ,value in mm^2 3.881196 item 100 , value in pixels 100 item 100 , value in mm^2 3.9204 item 101 , value in pixels 101 item 101 ,value in mm^2 3.9596040000000006 item 102 , value in pixels 102 item 102 ,value in mm^2 3.9988080000000004 item 103 , value in pixels 103 item 103 ,value in mm^2 4.038012 item 104 , value in pixels 104 item 104 ,value in mm^2 4.077216 item 105 , value in pixels 105 item 105 ,value in mm^2 4.11642 item 106 , value in pixels 106 item 106 ,value in mm^2 4.1556239999999995 item 107 , value in pixels 107 item 107 ,value in mm^2 4.194828 item 108 ,value in pixels 108 item 108 ,value in mm^2 4.234032000000001 item 109 , value in pixels 109 item 109 ,value in mm^2 4.273236000000001 item 110 ,value in pixels 110 item 110 ,value in mm^2 4.3124400000000005 item 111 ,value in pixels 111 item 111 ,value in mm^2 4.351644 item 112 , value in pixels 112 item 112 ,value in mm^2 4.390848 item 113 ,value in pixels 113 item 113 ,value in mm^2 4.430052 item 114 , value in pixels 114 item 114 ,value in mm^2 4.469256 item 115 ,value in pixels 115 item 115 ,value in mm^2 4.508459999999995 item 116 , value in pixels 116 item 116 ,value in mm^2 4.547664 item 117 ,value in pixels 117 item 117 ,value in mm^2 4.586868000000001 item 118 ,value in pixels 118 item 118 ,value in mm^2 4.626072000000001 item 119 ,value in pixels 119 item 119 ,value in mm^2 4.665276 item 120 ,value in pixels 120 item 120 ,value in mm^2 4.70448

item 121 ,value in pixels 121 item 121 ,value in mm^2 4.743684 item 122 ,value in pixels 122 item 122 ,value in mm^2 4.782888 item 123 ,value in pixels 123 item 123 ,value in mm^2 4.822092 item 124 , value in pixels 124 item 124 ,value in mm^2 4.861296 item 125 ,value in pixels 125 item 125 ,value in mm^2 4.900500000000001 item 126 , value in pixels 126 item 126 ,value in mm^2 4.939704000000001 item 127 ,value in pixels 127 item 127 ,value in mm^2 4.9789080000000006 item 128 , value in pixels 128 item 128 ,value in mm^2 5.018112 item 129 ,value in pixels 129 item 129 ,value in mm^2 5.057316 item 130 ,value in pixels 130 item 130 ,value in mm^2 5.09652 item 131 , value in pixels 131 item 131 ,value in mm^2 5.135724 item 132 ,value in pixels 132 item 132 ,value in mm^2 5.174927999999995 item 133 ,value in pixels 133 item 133 ,value in mm^2 5.214132 item 134 , value in pixels 134 item 134 ,value in mm^2 5.253336000000001 item 135 ,value in pixels 135 item 135 ,value in mm^2 5.292540000000001 item 136 , value in pixels 136 item 136 ,value in mm^2 5.3317440000000005 item 137 , value in pixels 137 item 137 ,value in mm^2 5.370948 item 138 ,value in pixels 138 item 138 ,value in mm^2 5.410152 item 139 ,value in pixels 139 item 139 ,value in mm^2 5.449356 item 140 , value in pixels 140 item 140 ,value in mm^2 5.48856 item 141 ,value in pixels 141 item 141 ,value in mm^2 5.527764 item 142 , value in pixels 142 item 142 ,value in mm^2 5.566968000000001 item 143 ,value in pixels 143 item 143 ,value in mm^2 5.606172000000001 item 144 , value in pixels 144 item 144 ,value in mm^2 5.645376000000001 item 145 ,value in pixels 145 item 145 ,value in mm^2 5.68458 item 146 , value in pixels 146 item 146 ,value in mm^2 5.723784 item 147 ,value in pixels 147 item 147 ,value in mm^2 5.762988 item 148 ,value in pixels 148 item 148 ,value in mm^2 5.802192 item 149 ,value in pixels 149 item 149 ,value in mm^2 5.841396 item 150 ,value in pixels 150 item 150 ,value in mm^2 5.8806

item 151 ,value in pixels 151 item 151 ,value in mm^2 5.919804000000001 item 152 , value in pixels 152 item 152 ,value in mm^2 5.959008000000001 item 153 ,value in pixels 153 item 153 ,value in mm^2 5.9982120000000005 item 154 , value in pixels 154 item 154 ,value in mm^2 6.037416 item 155 ,value in pixels 155 item 155 ,value in mm^2 6.07662 item 156 , value in pixels 156 item 156 ,value in mm^2 6.115824 item 157 ,value in pixels 157 item 157 ,value in mm^2 6.155028 item 158 , value in pixels 158 item 158 ,value in mm^2 6.194232 item 159 ,value in pixels 159 item 159 ,value in mm^2 6.233436 item 160 , value in pixels 160 item 160 ,value in mm^2 6.272640000000001 item 161 ,value in pixels 161 item 161 ,value in mm^2 6.311844000000001 item 162 ,value in pixels 162 item 162 ,value in mm^2 6.3510480000000005 item 163 ,value in pixels 163 item 163 ,value in mm^2 6.390252 item 164 , value in pixels 164 item 164 ,value in mm^2 6.429456 item 165 ,value in pixels 165 item 165 ,value in mm^2 6.46866 item 166 , value in pixels 166 item 166 ,value in mm^2 6.507864 item 167 , value in pixels 167 item 167 ,value in mm^2 6.547068 item 168 ,value in pixels 168 item 168 ,value in mm^2 6.586272000000001 item 169 , value in pixels 169 item 169 ,value in mm^2 6.625476000000001 item 170 ,value in pixels 170 item 170 ,value in mm^2 6.664680000000001 item 171 ,value in pixels 171 item 171 ,value in mm^2 6.703884 item 172 , value in pixels 172 item 172 ,value in mm^2 6.743088 item 173 ,value in pixels 173 item 173 ,value in mm^2 6.782292 item 174 , value in pixels 174 item 174 ,value in mm^2 6.821496 item 175 ,value in pixels 175 item 175 ,value in mm^2 6.8607000000000005 item 176 , value in pixels 176 item 176 ,value in mm^2 6.899904 item 177 ,value in pixels 177 item 177 ,value in mm^2 6.939108000000001 item 178 ,value in pixels 178 item 178 ,value in mm^2 6.978312000000001 item 179 ,value in pixels 179 item 179 ,value in mm^2 7.0175160000000005 item 180 , value in pixels 180 item 180 ,value in mm^2 7.05672

item 181 , value in pixels 181 item 181 ,value in mm^2 7.095924 item 182 ,value in pixels 182 item 182 ,value in mm^2 7.135128 item 183 ,value in pixels 183 item 183 ,value in mm^2 7.174332 item 184 , value in pixels 184 item 184 ,value in mm^2 7.213536 item 185 ,value in pixels 185 item 185 ,value in mm^2 7.252740000000001 item 186 , value in pixels 186 item 186 ,value in mm^2 7.291944000000001 item 187 , value in pixels 187 item 187 ,value in mm^2 7.331148000000001 item 188 , value in pixels 188 item 188 ,value in mm^2 7.3703520000000005 item 189 , value in pixels 189 item 189 ,value in mm^2 7.409556 item 190 , value in pixels 190 item 190 , value in mm^2 7.44876 item 191 , value in pixels 191 item 191 ,value in mm^2 7.487964 item 192 , value in pixels 192 item 192 ,value in mm^2 7.527168 item 193 , value in pixels 193 item 193 ,value in mm^2 7.566372 item 194 , value in pixels 194 item 194 ,value in mm^2 7.605576000000001 item 195 , value in pixels 195 item 195 ,value in mm^2 7.644780000000001 item 196 , value in pixels 196 item 196 ,value in mm^2 7.683984000000001 item 197 , value in pixels 197 item 197 ,value in mm^2 7.723188 item 198 ,value in pixels 198 item 198 ,value in mm^2 7.762392 item 199 ,value in pixels 199 item 199 ,value in mm^2 7.801596 item 200 , value in pixels 200 item 200 ,value in mm^2 7.8408 item 201 ,value in pixels 201 item 201 ,value in mm^2 7.880004000000005 item 202 ,value in pixels 202 item 202 ,value in mm^2 7.91920800000001 item 203 ,value in pixels 203 item 203 ,value in mm^2 7.958412 item 204 , value in pixels 204 item 204 ,value in mm^2 7.997616000000001 item 205 ,value in pixels 205 item 205 ,value in mm^2 8.03682 item 206 , value in pixels 206 item 206 ,value in mm^2 8.076024 item 207 ,value in pixels 207 item 207 ,value in mm^2 8.115228000000002 item 208 , value in pixels 208 item 208 ,value in mm^2 8.154432 item 209 , value in pixels 209 item 209 ,value in mm^2 8.193636000000001 item 210 ,value in pixels 210 item 210 ,value in mm^2 8.23284

item 211 ,value in pixels 211 item 211 ,value in mm^2 8.272044000000001 item 212 ,value in pixels 212 item 212 ,value in mm^2 8.311247999999999 item 213 ,value in pixels 213 item 213 ,value in mm^2 8.350452 item 214 ,value in pixels 214 item 214 ,value in mm^2 8.389656 item 215 ,value in pixels 215 item 215 ,value in mm^2 8.42886 item 216 ,value in pixels 216 item 216 ,value in mm^2 8.468064000000002 item 217 ,value in pixels 217 item 217 ,value in mm^2 8.507268 item 218 ,value in pixels 218 item 218 ,value in mm^2 8.546472000000001 item 219 ,value in pixels 219 item 219 ,value in mm^2 8.585676 item 220 ,value in pixels 220 item 220 ,value in mm^2 8.624880000000001 item 221 ,value in pixels 221 item 221 ,value in mm^2 8.664083999999999 item 222 ,value in pixels 222 item 222 ,value in mm^2 8.703288 item 223 ,value in pixels 223 item 223 ,value in mm^2 8.742492 item 224 ,value in pixels 224 item 224 ,value in mm^2 8.781696 item 225 ,value in pixels 225 item 225 ,value in mm^2 8.82090000000002 item 226 ,value in pixels 226 item 226 ,value in mm^2 8.860104 item 227 ,value in pixels 227 item 227 ,value in mm^2 8.899308000000001 item 228 ,value in pixels 228 item 228 ,value in mm^2 8.938512 item 229 ,value in pixels 229 item 229 ,value in mm^2 8.977716000000001 item 230 ,value in pixels 230 item 230 ,value in mm^2 9.016919999999999 item 231 ,value in pixels 231 item 231 ,value in mm^2 9.056124 item 232 ,value in pixels 232 item 232 ,value in mm^2 9.095328 item 233 ,value in pixels 233 item 233 ,value in mm^2 9.134532 item 234 ,value in pixels 234 item 234 ,value in mm^2 9.173736000000002 item 235 ,value in pixels 235 item 235 ,value in mm^2 9.21294 item 236 ,value in pixels 236 item 236 ,value in mm^2 9.252144000000001 item 237 ,value in pixels 237 item 237 ,value in mm^2 9.291348 item 238 ,value in pixels 238 item 238 ,value in mm^2 9.330552 item 239 ,value in pixels 239 item 239 ,value in mm^2 9.369756 item 240 ,value in pixels 240 item 240 ,value in mm^2 9.40896

item 241 ,value in pixels 241 item 241 ,value in mm^2 9.448164000000002 item 242 ,value in pixels 242 item 242 ,value in mm^2 9.487368 item 243 ,value in pixels 243 item 243 ,value in mm^2 9.526572000000002 item 244 ,value in pixels 244 item 244 ,value in mm^2 9.565776 item 245 ,value in pixels 245 item 245 ,value in mm^2 9.60498000000001 item 246 ,value in pixels 246 item 246 ,value in mm^2 9.644184 item 247 ,value in pixels 247 item 247 ,value in mm^2 9.683388 item 248 , value in pixels 248 item 248 ,value in mm^2 9.722592 item 249 ,value in pixels 249 item 249 ,value in mm^2 9.761796 item 250 ,value in pixels 250 item 250 ,value in mm^2 9.801000000000002 item 251 ,value in pixels 251 item 251 ,value in mm^2 9.840204 item 252 ,value in pixels 252 item 252 ,value in mm^2 9.879408000000002 item 253 ,value in pixels 253 item 253 ,value in mm^2 9.918612 item 254 ,value in pixels 254 item 254 ,value in mm^2 9.957816000000001 item 255 ,value in pixels 255 item 255 ,value in mm^2 9.99702 item 256 ,value in pixels 256 item 256 ,value in mm^2 10.036224 item 257 ,value in pixels 257 item 257 ,value in mm^2 10.075428 item 258 ,value in pixels 258 item 258 ,value in mm^2 10.114632 item 259 ,value in pixels 259 item 259 ,value in mm^2 10.153836000000002 item 260 ,value in pixels 260 item 260 ,value in mm^2 10.19304 item 261 ,value in pixels 261 item 261 ,value in mm^2 10.232244000000001 item 262 ,value in pixels 262 item 262 ,value in mm^2 10.271448 item 263 ,value in pixels 263 item 263 ,value in mm^2 10.310652000000001 item 264 ,value in pixels 264 item 264 ,value in mm^2 10.349855999999999 item 265 ,value in pixels 265 item 265 ,value in mm^2 10.38906 item 266 , value in pixels 266 item 266 ,value in mm^2 10.428264 item 267 ,value in pixels 267 item 267 ,value in mm^2 10.467468 item 268 ,value in pixels 268 item 268 ,value in mm^2 10.506672000000002 item 269 ,value in pixels 269 item 269 ,value in mm^2 10.545876 item 270 ,value in pixels 270 item 270 ,value in mm^2 10.585080000000001

item 271 ,value in pixels 271 item 271 ,value in mm^2 10.624284 item 272 ,value in pixels 272 item 272 ,value in mm^2 10.663488000000001 item 273 ,value in pixels 273 item 273 ,value in mm^2 10.702691999999999 item 274 ,value in pixels 274 item 274 ,value in mm^2 10.741896 item 275 ,value in pixels 275 item 275 ,value in mm^2 10.7811 item 276 ,value in pixels 276 item 276 ,value in mm^2 10.820304 item 277 ,value in pixels 277 item 277 ,value in mm^2 10.859508000000002 item 278 , value in pixels 278 item 278 ,value in mm^2 10.898712 item 279 ,value in pixels 279 item 279 ,value in mm^2 10.937916000000001 item 280 ,value in pixels 280 item 280 ,value in mm^2 10.97712 item 281 ,value in pixels 281 item 281 ,value in mm^2 11.016324000000001 item 282 ,value in pixels 282 item 282 ,value in mm^2 11.055528 item 283 ,value in pixels 283 item 283 ,value in mm^2 11.094732 item 284 ,value in pixels 284 item 284 ,value in mm^2 11.133936000000002 item 285 ,value in pixels 285 item 285 ,value in mm^2 11.17314 item 286 ,value in pixels 286 item 286 ,value in mm^2 11.212344000000002 item 287 , value in pixels 287 item 287 ,value in mm^2 11.251548 item 288 ,value in pixels 288 item 288 ,value in mm^2 11.290752000000001 item 289 ,value in pixels 289 item 289 ,value in mm^2 11.329956 item 290 ,value in pixels 290 item 290 ,value in mm^2 11.36916 item 291 ,value in pixels 291 item 291 ,value in mm^2 11.408364 item 292 ,value in pixels 292 item 292 ,value in mm^2 11.447568 item 293 ,value in pixels 293 item 293 ,value in mm^2 11.486772000000002 item 294 , value in pixels 294 item 294 ,value in mm^2 11.525976 item 295 ,value in pixels 295 item 295 ,value in mm^2 11.565180000000002 item 296 ,value in pixels 296 item 296 ,value in mm^2 11.604384 item 297 ,value in pixels 297 item 297 ,value in mm^2 11.643588000000001 item 298 ,value in pixels 298 item 298 ,value in mm^2 11.682792 item 299 ,value in pixels 299 item 299 ,value in mm^2 11.721996 item 300 , value in pixels 300 item 300 ,value in mm^2 11.7612

item 301 ,value in pixels 301 item 301 ,value in mm^2 11.800404 item 302 , value in pixels 302 item 302 ,value in mm^2 11.839608000000002 item 303 ,value in pixels 303 item 303 ,value in mm^2 11.878812 item 304 , value in pixels 304 item 304 ,value in mm^2 11.918016000000001 item 305 ,value in pixels 305 item 305 ,value in mm^2 11.95722 item 306 , value in pixels 306 item 306 ,value in mm^2 11.996424000000001 item 307 ,value in pixels 307 item 307 ,value in mm^2 12.035627999999999 item 308 , value in pixels 308 item 308 ,value in mm^2 12.074832 item 309 , value in pixels 309 item 309 ,value in mm^2 12.114036 item 310 ,value in pixels 310 item 310 ,value in mm^2 12.15324 item 311 ,value in pixels 311 item 311 ,value in mm^2 12.192444000000002 item 312 ,value in pixels 312 item 312 ,value in mm^2 12.231648 item 313 ,value in pixels 313 item 313 ,value in mm^2 12.270852000000001 item 314 , value in pixels 314 item 314 ,value in mm^2 12.310056 item 315 ,value in pixels 315 item 315 ,value in mm^2 12.349260000000001 item 316 ,value in pixels 316 item 316 ,value in mm^2 12.388464 item 317 ,value in pixels 317 item 317 ,value in mm^2 12.427668 item 318 ,value in pixels 318 item 318 ,value in mm^2 12.466872 item 319 ,value in pixels 319 item 319 ,value in mm^2 12.506076 item 320 ,value in pixels 320 item 320 ,value in mm^2 12.545280000000002 item 321 ,value in pixels 321 item 321 ,value in mm^2 12.584484 item 322 ,value in pixels 322 item 322 ,value in mm^2 12.623688000000001 item 323 ,value in pixels 323 item 323 ,value in mm^2 12.662892 item 324 ,value in pixels 324 item 324 ,value in mm^2 12.702096000000001 item 325 ,value in pixels 325 item 325 ,value in mm^2 12.7413 item 326 ,value in pixels 326 item 326 ,value in mm^2 12.780504 item 327 ,value in pixels 327 item 327 ,value in mm^2 12.819708000000002 item 328 ,value in pixels 328 item 328 ,value in mm^2 12.858912 item 329 ,value in pixels 329 item 329 ,value in mm^2 12.898116000000002 item 330 ,value in pixels 330 item 330 ,value in mm^2 12.93732

item 331 ,value in pixels 331 item 331 ,value in mm^2 12.976524000000001 item 332 ,value in pixels 332 item 332 ,value in mm^2 13.015728 item 333 ,value in pixels 333 item 333 ,value in mm^2 13.054932 item 334 ,value in pixels 334 item 334 ,value in mm^2 13.094136 item 335 ,value in pixels 335 item 335 ,value in mm^2 13.13334 item 336 ,value in pixels 336 item 336 ,value in mm^2 13.172544000000002 item 337 ,value in pixels 337 item 337 ,value in mm^2 13.211748 item 338 , value in pixels 338 item 338 ,value in mm^2 13.250952000000002 item 339 ,value in pixels 339 item 339 ,value in mm^2 13.290156 item 340 ,value in pixels 340 item 340 ,value in mm^2 13.329360000000001 item 341 ,value in pixels 341 item 341 ,value in mm^2 13.368564 item 342 ,value in pixels 342 item 342 ,value in mm^2 13.407768 item 343 ,value in pixels 343 item 343 ,value in mm^2 13.446972 item 344 , value in pixels 344 item 344 ,value in mm^2 13.486176 item 345 ,value in pixels 345 item 345 ,value in mm^2 13.525380000000002 item 346 ,value in pixels 346 item 346 ,value in mm^2 13.564584 item 347 , value in pixels 347 item 347 ,value in mm^2 13.603788000000002 item 348 ,value in pixels 348 item 348 ,value in mm^2 13.642992 item 349 ,value in pixels 349 item 349 ,value in mm^2 13.682196000000001 item 350 ,value in pixels 350 item 350 ,value in mm^2 13.721400000000001 item 351 ,value in pixels 351 item 351 ,value in mm^2 13.760604 item 352 ,value in pixels 352 item 352 ,value in mm^2 13.799808 item 353 ,value in pixels 353 item 353 ,value in mm^2 13.839012 item 354 ,value in pixels 354 item 354 ,value in mm^2 13.878216000000002 item 355 ,value in pixels 355 item 355 ,value in mm^2 13.91742 item 356 ,value in pixels 356 item 356 ,value in mm^2 13.956624000000001 item 357 ,value in pixels 357 item 357 ,value in mm^2 13.995828 item 358 ,value in pixels 358 item 358 ,value in mm^2 14.035032000000001 item 359 ,value in pixels 359 item 359 ,value in mm^2 14.074236 item 360 , value in pixels 360 item 360 ,value in mm^2 14.11344

item 361 ,value in pixels 361 item 361 ,value in mm^2 14.152644 item 362 , value in pixels 362 item 362 ,value in mm^2 14.191848 item 363 ,value in pixels 363 item 363 ,value in mm^2 14.231052000000002 item 364 , value in pixels 364 item 364 ,value in mm^2 14.270256 item 365 ,value in pixels 365 item 365 ,value in mm^2 14.309460000000001 item 366 , value in pixels 366 item 366 ,value in mm^2 14.348664 item 367 ,value in pixels 367 item 367 ,value in mm^2 14.387868000000001 item 368 , value in pixels 368 item 368 ,value in mm^2 14.427072 item 369 ,value in pixels 369 item 369 ,value in mm^2 14.466276 item 370 ,value in pixels 370 item 370 ,value in mm^2 14.505480000000002 item 371 ,value in pixels 371 item 371 ,value in mm^2 14.544684 item 372 ,value in pixels 372 item 372 ,value in mm^2 14.583888000000002 item 373 ,value in pixels 373 item 373 ,value in mm^2 14.623092 item 374 , value in pixels 374 item 374 ,value in mm^2 14.662296000000001 item 375 ,value in pixels 375 item 375 ,value in mm^2 14.7015 item 376 , value in pixels 376 item 376 ,value in mm^2 14.74070400000001 item 377 ,value in pixels 377 item 377 ,value in mm^2 14.779908 item 378 ,value in pixels 378 item 378 ,value in mm^2 14.819112 item 379 ,value in pixels 379 item 379 ,value in mm^2 14.858316000000002 item 380 ,value in pixels 380 item 380 ,value in mm^2 14.89752 item 381 ,value in pixels 381 item 381 ,value in mm^2 14.936724000000002 item 382 ,value in pixels 382 item 382 ,value in mm^2 14.975928 item 383 ,value in pixels 383 item 383 ,value in mm^2 15.015132000000001 item 384 ,value in pixels 384 item 384 ,value in mm^2 15.054336 item 385 ,value in pixels 385 item 385 ,value in mm^2 15.09354 item 386 ,value in pixels 386 item 386 ,value in mm^2 15.132744 item 387 ,value in pixels 387 item 387 , value in mm^2 15.171948 item 388 ,value in pixels 388 item 388 ,value in mm^2 15.211152000000002 item 389 ,value in pixels 389 item 389 ,value in mm^2 15.250356 item 390 , value in pixels 390 item 390 ,value in mm^2 15.289560000000002

item 391 ,value in pixels 391 item 391 ,value in mm^2 15.328764 item 392 , value in pixels 392 item 392 ,value in mm^2 15.367968000000001 item 393 ,value in pixels 393 item 393 , value in mm^2 15.407172000000001 item 394 , value in pixels 394 item 394 ,value in mm^2 15.446376 item 395 ,value in pixels 395 item 395 ,value in mm^2 15.48558 item 396 , value in pixels 396 item 396 ,value in mm^2 15.524784 item 397 ,value in pixels 397 item 397 ,value in mm^2 15.563988000000002 item 398 , value in pixels 398 item 398 ,value in mm^2 15.603192 item 399 , value in pixels 399 item 399 ,value in mm^2 15.642396000000002 item 400 ,value in pixels 400 item 400 ,value in mm^2 15.6816 item 401 , value in pixels 401 item 401 ,value in mm^2 15.72080400000001 item 402 , value in pixels 402 item 402 ,value in mm^2 15.760008000000001 item 403 ,value in pixels 403 item 403 ,value in mm^2 15.799212 item 404 , value in pixels 404 item 404 ,value in mm^2 15.838416000000002 item 405 ,value in pixels 405 item 405 ,value in mm^2 15.87762 item 406 ,value in pixels 406 item 406 ,value in mm^2 15.916824 item 407 ,value in pixels 407 item 407 ,value in mm^2 15.956028000000002 item 408 ,value in pixels 408 item 408 ,value in mm^2 15.995232000000001 item 409 , value in pixels 409 item 409 ,value in mm^2 16.034436 item 410 ,value in pixels 410 item 410 ,value in mm^2 16.07364 item 411 ,value in pixels 411 item 411 ,value in mm^2 16.112844000000003 item 412 ,value in pixels 412 item 412 ,value in mm^2 16.152048 item 413 ,value in pixels 413 item 413 ,value in mm^2 16.191252 item 414 ,value in pixels 414 item 414 ,value in mm^2 16.230456000000004 item 415 ,value in pixels 415 item 415 ,value in mm^2 16.269660000000002 item 416 ,value in pixels 416 item 416 ,value in mm^2 16.308864 item 417 ,value in pixels 417 item 417 ,value in mm^2 16.34806799999998 item 418 ,value in pixels 418 item 418 ,value in mm^2 16.387272000000003 item 419 ,value in pixels 419 item 419 ,value in mm^2 16.426476 item 420 ,value in pixels 420 item 420 ,value in mm^2 16.46568

item 421 ,value in pixels 421 item 421 ,value in mm^2 16.504884 item 422 ,value in pixels 422 item 422 ,value in mm^2 16.544088000000002 item 423 ,value in pixels 423 item 423 ,value in mm^2 16.583292 item 424 ,value in pixels 424 item 424 ,value in mm^2 16.62249599999998 item 425 ,value in pixels 425 item 425 ,value in mm^2 16.661700000000003 item 426 ,value in pixels 426 item 426 ,value in mm^2 16.700904 item 427 ,value in pixels 427 item 427 ,value in mm^2 16.740108 item 428 , value in pixels 428 item 428 ,value in mm^2 16.779312 item 429 ,value in pixels 429 item 429 ,value in mm^2 16.818516000000002 item 430 ,value in pixels 430 item 430 ,value in mm^2 16.85772 item 431 ,value in pixels 431 item 431 ,value in mm^2 16.896924 item 432 ,value in pixels 432 item 432 ,value in mm^2 16.936128000000004 item 433 ,value in pixels 433 item 433 ,value in mm^2 16.975332 item 434 ,value in pixels 434 item 434 ,value in mm^2 17.014536 item 435 ,value in pixels 435 item 435 ,value in mm^2 17.05373999999998 item 436 ,value in pixels 436 item 436 ,value in mm^2 17.092944000000003 item 437 , value in pixels 437 item 437 ,value in mm^2 17.132148 item 438 ,value in pixels 438 item 438 ,value in mm^2 17.171352 item 439 ,value in pixels 439 item 439 ,value in mm^2 17.210556000000004 item 440 ,value in pixels 440 item 440 ,value in mm^2 17.249760000000002 item 441 , value in pixels 441 item 441 ,value in mm^2 17.288964 item 442 ,value in pixels 442 item 442 ,value in mm^2 17.32816799999998 item 443 ,value in pixels 443 item 443 ,value in mm^2 17.367372000000003 item 444 ,value in pixels 444 item 444 ,value in mm^2 17.406576 item 445 ,value in pixels 445 item 445 ,value in mm^2 17.44578 item 446 ,value in pixels 446 item 446 ,value in mm^2 17.484984 item 447 ,value in pixels 447 item 447 ,value in mm^2 17.524188000000002 item 448 ,value in pixels 448 item 448 ,value in mm^2 17.563392 item 449 ,value in pixels 449 item 449 ,value in mm^2 17.602596 item 450 ,value in pixels 450 item 450 ,value in mm^2 17.641800000000003

item 451 ,value in pixels 451 item 451 ,value in mm^2 17.681004 item 452 ,value in pixels 452 item 452 ,value in mm^2 17.720208 item 453 ,value in pixels 453 item 453 ,value in mm^2 17.759412 item 454 ,value in pixels 454 item 454 ,value in mm^2 17.798616000000003 item 455 ,value in pixels 455 item 455 ,value in mm^2 17.83782 item 456 ,value in pixels 456 item 456 ,value in mm^2 17.877024 item 457 ,value in pixels 457 item 457 ,value in mm^2 17.916228000000004 item 458 , value in pixels 458 item 458 ,value in mm^2 17.955432000000002 item 459 ,value in pixels 459 item 459 ,value in mm^2 17.994636 item 460 ,value in pixels 460 item 460 ,value in mm^2 18.03383999999998 item 461 ,value in pixels 461 item 461 ,value in mm^2 18.073044000000003 item 462 ,value in pixels 462 item 462 ,value in mm^2 18.112248 item 463 ,value in pixels 463 item 463 ,value in mm^2 18.151452 item 464 , value in pixels 464 item 464 ,value in mm^2 18.190656 item 465 ,value in pixels 465 item 465 ,value in mm^2 18.229860000000002 item 466 , value in pixels 466 item 466 ,value in mm^2 18.269064 item 467 ,value in pixels 467 item 467 ,value in mm^2 18.30826799999998 item 468 ,value in pixels 468 item 468 ,value in mm^2 18.347472000000003 item 469 ,value in pixels 469 item 469 ,value in mm^2 18.386676 item 470 ,value in pixels 470 item 470 ,value in mm^2 18.42588 item 471 ,value in pixels 471 item 471 ,value in mm^2 18.465084 item 472 ,value in pixels 472 item 472 ,value in mm^2 18.504288000000003 item 473 ,value in pixels 473 item 473 ,value in mm^2 18.543492 item 474 , value in pixels 474 item 474 ,value in mm^2 18.582696 item 475 ,value in pixels 475 item 475 ,value in mm^2 18.621900000000004 item 476 ,value in pixels 476 item 476 ,value in mm^2 18.661104 item 477 ,value in pixels 477 item 477 ,value in mm^2 18.700308 item 478 ,value in pixels 478 item 478 ,value in mm^2 18.739512 item 479 ,value in pixels 479 item 479 ,value in mm^2 18.778716000000003 item 480 ,value in pixels 480 item 480 ,value in mm^2 18.81792

item 481 ,value in pixels 481 item 481 ,value in mm^2 18.857124 item 482 ,value in pixels 482 item 482 ,value in mm^2 18.896328000000004 item 483 ,value in pixels 483 item 483 ,value in mm^2 18.935532000000002 item 484 , value in pixels 484 item 484 ,value in mm^2 18.974736 item 485 ,value in pixels 485 item 485 ,value in mm^2 19.01393999999998 item 486 ,value in pixels 486 item 486 ,value in mm^2 19.053144000000003 item 487 ,value in pixels 487 item 487 ,value in mm^2 19.092348 item 488 , value in pixels 488 item 488 ,value in mm^2 19.131552 item 489 ,value in pixels 489 item 489 ,value in mm^2 19.170756 item 490 ,value in pixels 490 item 490 ,value in mm^2 19.209960000000002 item 491 ,value in pixels 491 item 491 ,value in mm^2 19.249164 item 492 ,value in pixels 492 item 492 ,value in mm^2 19.288368 item 493 ,value in pixels 493 item 493 ,value in mm^2 19.327572000000004 item 494 , value in pixels 494 item 494 ,value in mm^2 19.366776 item 495 ,value in pixels 495 item 495 ,value in mm^2 19.40598 item 496 , value in pixels 496 item 496 ,value in mm^2 19.445184 item 497 ,value in pixels 497 item 497 ,value in mm^2 19.484388000000003 item 498 ,value in pixels 498 item 498 ,value in mm^2 19.523592 item 499 ,value in pixels 499 item 499 ,value in mm^2 19.562796 item 500 , value in pixels 500 item 500 ,value in mm^2 19.602000000000004 item 501 ,value in pixels 501 item 501 ,value in mm^2 19.641204000000002 item 502 , value in pixels 502 item 502 ,value in mm^2 19.680408 item 503 ,value in pixels 503 item 503 ,value in mm^2 19.71961199999998 item 504 , value in pixels 504 item 504 ,value in mm^2 19.758816000000003 item 505 , value in pixels 505 item 505 ,value in mm^2 19.79802 item 506 , value in pixels 506 item 506 ,value in mm^2 19.837224 item 507 ,value in pixels 507 item 507 , value in mm^2 19.876428 item 508 , value in pixels 508 item 508 ,value in mm^2 19.915632000000002 item 509 ,value in pixels 509 item 509 ,value in mm^2 19.954836 item 510 ,value in pixels 510 item 510 ,value in mm^2 19.99404

item 511 ,value in pixels 511 item 511 ,value in mm^2 20.033244000000003 item 512 ,value in pixels 512 item 512 ,value in mm^2 20.072448 item 513 ,value in pixels 513 item 513 ,value in mm^2 20.111652 item 514 , value in pixels 514 item 514 ,value in mm^2 20.150856 item 515 ,value in pixels 515 item 515 ,value in mm^2 20.190060000000003 item 516 ,value in pixels 516 item 516 ,value in mm^2 20.229264 item 517 ,value in pixels 517 item 517 ,value in mm^2 20.268468 item 518 , value in pixels 518 item 518 ,value in mm^2 20.307672000000004 item 519 ,value in pixels 519 item 519 ,value in mm^2 20.346876 item 520 ,value in pixels 520 item 520 ,value in mm^2 20.38608 item 521 , value in pixels 521 item 521 ,value in mm^2 20.425284 item 522 ,value in pixels 522 item 522 ,value in mm^2 20.464488000000003 item 523 ,value in pixels 523 item 523 ,value in mm^2 20.503692 item 524 , value in pixels 524 item 524 ,value in mm^2 20.542896 item 525 ,value in pixels 525 item 525 ,value in mm^2 20.582100000000004 item 526 ,value in pixels 526 item 526 ,value in mm^2 20.62130400000002 item 527 , value in pixels 527 item 527 ,value in mm^2 20.660508 item 528 ,value in pixels 528 item 528 ,value in mm^2 20.699711999999998 item 529 ,value in pixels 529 item 529 ,value in mm^2 20.738916000000003 item 530 ,value in pixels 530 item 530 ,value in mm^2 20.77812 item 531 ,value in pixels 531 item 531 ,value in mm^2 20.817324 item 532 ,value in pixels 532 item 532 ,value in mm^2 20.856528 item 533 ,value in pixels 533 item 533 ,value in mm^2 20.895732000000002 item 534 ,value in pixels 534 item 534 ,value in mm^2 20.934936 item 535 ,value in pixels 535 item 535 ,value in mm^2 20.97414 item 536 ,value in pixels 536 item 536 ,value in mm^2 21.013344000000004 item 537 ,value in pixels 537 item 537 ,value in mm^2 21.052548 item 538 ,value in pixels 538 item 538 ,value in mm^2 21.091752 item 539 ,value in pixels 539 item 539 ,value in mm^2 21.130956 item 540 ,value in pixels 540 item 540 ,value in mm^2 21.170160000000003

item 541 ,value in pixels 541 item 541 ,value in mm^2 21.209364 item 542 , value in pixels 542 item 542 ,value in mm^2 21.248568 item 543 ,value in pixels 543 item 543 ,value in mm^2 21.287772000000004 item 544 , value in pixels 544 item 544 ,value in mm^2 21.326976000000002 item 545 ,value in pixels 545 item 545 ,value in mm^2 21.36618 item 546 ,value in pixels 546 item 546 ,value in mm^2 21.405383999999998 item 547 ,value in pixels 547 item 547 ,value in mm^2 21.444588000000003 item 548 , value in pixels 548 item 548 ,value in mm^2 21.483792 item 549 ,value in pixels 549 item 549 ,value in mm^2 21.522996 item 550 ,value in pixels 550 item 550 ,value in mm^2 21.5622 item 551 ,value in pixels 551 item 551 ,value in mm^2 21.601404000000002 item 552 ,value in pixels 552 item 552 ,value in mm^2 21.640608 item 553 ,value in pixels 553 item 553 ,value in mm^2 21.679812 item 554 , value in pixels 554 item 554 ,value in mm^2 21.719016000000003 item 555 ,value in pixels 555 item 555 ,value in mm^2 21.75822 item 556 , value in pixels 556 item 556 ,value in mm^2 21.797424 item 557 ,value in pixels 557 item 557 ,value in mm^2 21.836628 item 558 ,value in pixels 558 item 558 ,value in mm^2 21.875832000000003 item 559 ,value in pixels 559 item 559 ,value in mm^2 21.915036 item 560 , value in pixels 560 item 560 ,value in mm^2 21.95424 item 561 ,value in pixels 561 item 561 ,value in mm^2 21.993444000000004 item 562 ,value in pixels 562 item 562 ,value in mm^2 22.032648000000002 item 563 ,value in pixels 563 item 563 ,value in mm^2 22.071852 item 564 ,value in pixels 564 item 564 ,value in mm^2 22.111056 item 565 ,value in pixels 565 item 565 ,value in mm^2 22.150260000000003 item 566 , value in pixels 566 item 566 , value in mm^2 22.189464 item 567 ,value in pixels 567 item 567 ,value in mm^2 22.228668 item 568 ,value in pixels 568 item 568 ,value in mm^2 22.267872000000004 item 569 ,value in pixels 569 item 569 ,value in mm^2 22.307076000000002 item 570 ,value in pixels 570 item 570 ,value in mm^2 22.34628

item 571 ,value in pixels 571 item 571 ,value in mm^2 22.38548399999998 item 572 ,value in pixels 572 item 572 ,value in mm^2 22.424688000000003 item 573 ,value in pixels 573 item 573 ,value in mm^2 22.463892 item 574 , value in pixels 574 item 574 ,value in mm^2 22.503096 item 575 ,value in pixels 575 item 575 ,value in mm^2 22.5423 item 576 , value in pixels 576 item 576 ,value in mm^2 22.581504000000002 item 577 ,value in pixels 577 item 577 ,value in mm^2 22.620708 item 578 , value in pixels 578 item 578 ,value in mm^2 22.659912 item 579 ,value in pixels 579 item 579 ,value in mm^2 22.699116000000004 item 580 , value in pixels 580 item 580 ,value in mm^2 22.73832 item 581 , value in pixels 581 item 581 ,value in mm^2 22.777524 item 582 ,value in pixels 582 item 582 ,value in mm^2 22.816728 item 583 ,value in pixels 583 item 583 ,value in mm^2 22.855932000000003 item 584 , value in pixels 584 item 584 ,value in mm^2 22.895136 item 585 ,value in pixels 585 item 585 ,value in mm^2 22.93434 item 586 , value in pixels 586 item 586 ,value in mm^2 22.973544000000004 item 587 ,value in pixels 587 item 587 ,value in mm^2 23.012748000000002 item 588 ,value in pixels 588 item 588 ,value in mm^2 23.051952 item 589 ,value in pixels 589 item 589 ,value in mm^2 23.091156 item 590 , value in pixels 590 item 590 ,value in mm^2 23.130360000000003 item 591 ,value in pixels 591 item 591 ,value in mm^2 23.169564 item 592 ,value in pixels 592 item 592 ,value in mm^2 23.208768 item 593 ,value in pixels 593 item 593 ,value in mm^2 23.247972 item 594 , value in pixels 594 item 594 ,value in mm^2 23.287176000000002 item 595 ,value in pixels 595 item 595 ,value in mm^2 23.32638 item 596 , value in pixels 596 item 596 , value in mm^2 23.365584 item 597 ,value in pixels 597 item 597 ,value in mm^2 23.404788000000003 item 598 , value in pixels 598 item 598 ,value in mm^2 23.443992 item 599 ,value in pixels 599 item 599 ,value in mm^2 23.483196 item 600 , value in pixels 600 item 600 ,value in mm^2 23.5224

item 601 , value in pixels 601 item 601 ,value in mm^2 23.561604000000003 item 602 , value in pixels 602 item 602 ,value in mm^2 23.600808 item 603 , value in pixels 603 item 603 ,value in mm^2 23.640012 item 604 , value in pixels 604 item 604 ,value in mm^2 23.679216000000004 item 605 ,value in pixels 605 item 605 ,value in mm^2 23.718420000000002 item 606 , value in pixels 606 item 606 ,value in mm^2 23.757624 item 607 ,value in pixels 607 item 607 ,value in mm^2 23.796828 item 608 , value in pixels 608 item 608 ,value in mm^2 23.836032000000003 item 609 , value in pixels 609 item 609 ,value in mm^2 23.875236 item 610 , value in pixels 610 item 610 ,value in mm^2 23.91444 item 611 , value in pixels 611 item 611 ,value in mm^2 23.953644000000004 item 612 , value in pixels 612 item 612 ,value in mm^2 23.992848000000002 item 613 , value in pixels 613 item 613 ,value in mm^2 24.032052 item 614 , value in pixels 614 item 614 ,value in mm^2 24.07125599999998 item 615 , value in pixels 615 item 615 ,value in mm^2 24.110460000000003 item 616 , value in pixels 616 item 616 ,value in mm^2 24.149664 item 617 , value in pixels 617 item 617 ,value in mm^2 24.188868 item 618 ,value in pixels 618 item 618 ,value in mm^2 24.228072 item 619 ,value in pixels 619 item 619 ,value in mm^2 24.267276000000003 item 620 ,value in pixels 620 item 620 ,value in mm^2 24.30648 item 621 , value in pixels 621 item 621 ,value in mm^2 24.345684 item 622 ,value in pixels 622 item 622 ,value in mm^2 24.384888000000004 item 623 ,value in pixels 623 item 623 ,value in mm^2 24.424092 item 624 , value in pixels 624 item 624 ,value in mm^2 24.463296 item 625 ,value in pixels 625 item 625 ,value in mm^2 24.5025 item 626 ,value in pixels 626 item 626 ,value in mm^2 24.541704000000003 item 627 ,value in pixels 627 item 627 ,value in mm^2 24.580908 item 628 ,value in pixels 628 item 628 ,value in mm^2 24.620112 item 629 ,value in pixels 629 item 629 ,value in mm^2 24.659316000000004 item 630 ,value in pixels 630 item 630 ,value in mm^2 24.698520000000002

item 631 ,value in pixels 631 item 631 ,value in mm^2 24.737724 item 632 , value in pixels 632 item 632 ,value in mm^2 24.776928 item 633 ,value in pixels 633 item 633 ,value in mm^2 24.816132000000003 item 634 ,value in pixels 634 item 634 ,value in mm^2 24.855336 item 635 ,value in pixels 635 item 635 ,value in mm^2 24.89454 item 636 , value in pixels 636 item 636 ,value in mm^2 24.933744 item 637 ,value in pixels 637 item 637 ,value in mm^2 24.972948000000002 item 638 , value in pixels 638 item 638 ,value in mm^2 25.012152 item 639 ,value in pixels 639 item 639 ,value in mm^2 25.051356 item 640 , value in pixels 640 item 640 ,value in mm^2 25.090560000000004 item 641 , value in pixels 641 item 641 ,value in mm^2 25.129764 item 642 , value in pixels 642 item 642 ,value in mm^2 25.168968 item 643 ,value in pixels 643 item 643 ,value in mm^2 25.208172 item 644 , value in pixels 644 item 644 ,value in mm^2 25.247376000000003 item 645 , value in pixels 645 item 645 ,value in mm^2 25.28658 item 646 , value in pixels 646 item 646 ,value in mm^2 25.325784 item 647 ,value in pixels 647 item 647 ,value in mm^2 25.364988000000004 item 648 ,value in pixels 648 item 648 ,value in mm^2 25.404192000000002 item 649 ,value in pixels 649 item 649 ,value in mm^2 25.443396 item 650 ,value in pixels 650 item 650 ,value in mm^2 25.4826 item 651 , value in pixels 651 item 651 ,value in mm^2 25.521804000000003 item 652 , value in pixels 652 item 652 ,value in mm^2 25.561008 item 653 ,value in pixels 653 item 653 ,value in mm^2 25.600212 item 654 , value in pixels 654 item 654 ,value in mm^2 25.639416000000004 item 655 ,value in pixels 655 item 655 ,value in mm^2 25.678620000000002 item 656 , value in pixels 656 item 656 ,value in mm^2 25.717824 item 657 ,value in pixels 657 item 657 ,value in mm^2 25.757028 item 658 ,value in pixels 658 item 658 ,value in mm^2 25.796232000000003 item 659 ,value in pixels 659 item 659 ,value in mm^2 25.835436 item 660 , value in pixels 660 item 660 ,value in mm^2 25.87464

item 661 , value in pixels 661 item 661 ,value in mm^2 25.913844 item 662 , value in pixels 662 item 662 ,value in mm^2 25.953048000000003 item 663 , value in pixels 663 item 663 ,value in mm^2 25.992252 item 664 , value in pixels 664 item 664 ,value in mm^2 26.031456 item 665 ,value in pixels 665 item 665 ,value in mm^2 26.070660000000004 item 666 , value in pixels 666 item 666 , value in mm^2 26.109864 item 667 ,value in pixels 667 item 667 ,value in mm^2 26.149068 item 668 , value in pixels 668 item 668 ,value in mm^2 26.188272 item 669 , value in pixels 669 item 669 ,value in mm^2 26.227476000000003 item 670 , value in pixels 670 item 670 ,value in mm^2 26.26668 item 671 , value in pixels 671 item 671 ,value in mm^2 26.305884 item 672 , value in pixels 672 item 672 ,value in mm^2 26.345088000000004 item 673 ,value in pixels 673 item 673 ,value in mm^2 26.384292000000002 item 674 , value in pixels 674 item 674 ,value in mm^2 26.423496 item 675 , value in pixels 675 item 675 ,value in mm^2 26.4627 item 676 , value in pixels 676 item 676 ,value in mm^2 26.501904000000003 item 677 ,value in pixels 677 item 677 ,value in mm^2 26.541108 item 678 ,value in pixels 678 item 678 ,value in mm^2 26.580312 item 679 ,value in pixels 679 item 679 ,value in mm^2 26.619516 item 680 , value in pixels 680 item 680 ,value in mm^2 26.658720000000002 item 681 , value in pixels 681 item 681 ,value in mm^2 26.697924 item 682 , value in pixels 682 item 682 ,value in mm^2 26.737128 item 683 ,value in pixels 683 item 683 ,value in mm^2 26.776332000000004 item 684 , value in pixels 684 item 684 ,value in mm^2 26.815536 item 685 ,value in pixels 685 item 685 ,value in mm^2 26.85474 item 686 ,value in pixels 686 item 686 ,value in mm^2 26.893944 item 687 ,value in pixels 687 item 687 ,value in mm^2 26.933148000000003 item 688 , value in pixels 688 item 688 ,value in mm^2 26.972352 item 689 ,value in pixels 689 item 689 ,value in mm^2 27.011556 item 690 , value in pixels 690 item 690 ,value in mm^2 27.050760000000004

item 691 , value in pixels 691 item 691 ,value in mm^2 27.089964000000002 item 692 , value in pixels 692 item 692 ,value in mm^2 27.129168 item 693 , value in pixels 693 item 693 ,value in mm^2 27.168372 item 694 , value in pixels 694 item 694 ,value in mm^2 27.207576000000003 item 695 ,value in pixels 695 item 695 ,value in mm^2 27.24678 item 696 , value in pixels 696 item 696 ,value in mm^2 27.285984 item 697 ,value in pixels 697 item 697 ,value in mm^2 27.325188000000004 item 698 , value in pixels 698 item 698 ,value in mm^2 27.364392000000002 item 699 , value in pixels 699 item 699 ,value in mm^2 27.403596 item 700 , value in pixels 700 item 700 ,value in mm^2 27.442800000000002 item 701 , value in pixels 701 item 701 ,value in mm^2 27.482004000000003 item 702 , value in pixels 702 item 702 ,value in mm^2 27.521208 item 703 ,value in pixels 703 item 703 ,value in mm^2 27.560412 item 704 , value in pixels 704 item 704 ,value in mm^2 27.599616 item 705 , value in pixels 705 item 705 ,value in mm^2 27.638820000000003 item 706 , value in pixels 706 item 706 ,value in mm^2 27.678024 item 707 ,value in pixels 707 item 707 ,value in mm^2 27.717228 item 708 ,value in pixels 708 item 708 ,value in mm^2 27.756432000000004 item 709 ,value in pixels 709 item 709 ,value in mm^2 27.795636000000002 item 710 ,value in pixels 710 item 710 ,value in mm^2 27.83484 item 711 ,value in pixels 711 item 711 ,value in mm^2 27.874044 item 712 ,value in pixels 712 item 712 ,value in mm^2 27.913248000000003 item 713 ,value in pixels 713 item 713 ,value in mm^2 27.952452 item 714 , value in pixels 714 item 714 ,value in mm^2 27.991656 item 715 ,value in pixels 715 item 715 ,value in mm^2 28.030860000000004 item 716 ,value in pixels 716 item 716 ,value in mm^2 28.070064000000002 item 717 ,value in pixels 717 item 717 ,value in mm^2 28.109268 item 718 ,value in pixels 718 item 718 ,value in mm^2 28.148472 item 719 ,value in pixels 719 item 719 ,value in mm^2 28.187676000000003 item 720 ,value in pixels 720 item 720 ,value in mm^2 28.22688

item 721 ,value in pixels 721 item 721 ,value in mm^2 28.266084 item 722 ,value in pixels 722 item 722 ,value in mm^2 28.305288 item 723 ,value in pixels 723 item 723 ,value in mm^2 28.344492000000002 item 724 ,value in pixels 724 item 724 ,value in mm^2 28.383696 item 725 ,value in pixels 725 item 725 ,value in mm^2 28.4229 item 726 ,value in pixels 726 item 726 ,value in mm^2 28.462104000000004 item 727 ,value in pixels 727 item 727 ,value in mm^2 28.501308 item 728 , value in pixels 728 item 728 ,value in mm^2 28.540512 item 729 ,value in pixels 729 item 729 ,value in mm^2 28.579716 item 730 ,value in pixels 730 item 730 ,value in mm^2 28.618920000000003 item 731 ,value in pixels 731 item 731 ,value in mm^2 28.658124 item 732 ,value in pixels 732 item 732 ,value in mm^2 28.697328 item 733 ,value in pixels 733 item 733 ,value in mm^2 28.736532000000004 item 734 , value in pixels 734 item 734 ,value in mm^2 28.775736000000002 item 735 ,value in pixels 735 item 735 ,value in mm^2 28.81494 item 736 ,value in pixels 736 item 736 ,value in mm^2 28.854144 item 737 ,value in pixels 737 item 737 ,value in mm^2 28.893348000000003 item 738 ,value in pixels 738 item 738 ,value in mm^2 28.932552 item 739 ,value in pixels 739 item 739 ,value in mm^2 28.971756 item 740 ,value in pixels 740 item 740 ,value in mm^2 29.01096000000004 item 741 , value in pixels 741 item 741 ,value in mm^2 29.050164000000002 item 742 ,value in pixels 742 item 742 ,value in mm^2 29.089368 item 743 ,value in pixels 743 item 743 ,value in mm^2 29.128572000000002 item 744 , value in pixels 744 item 744 ,value in mm^2 29.167776000000003 item 745 ,value in pixels 745 item 745 ,value in mm^2 29.20698 item 746 , value in pixels 746 item 746 ,value in mm^2 29.246184 item 747 ,value in pixels 747 item 747 ,value in mm^2 29.285388 item 748 ,value in pixels 748 item 748 ,value in mm^2 29.324592000000003 item 749 ,value in pixels 749 item 749 ,value in mm^2 29.363796 item 750 ,value in pixels 750 item 750 ,value in mm^2 29.403

item 751 ,value in pixels 751 item 751 ,value in mm^2 29.442204000000004 item 752 ,value in pixels 752 item 752 ,value in mm^2 29.481408000000002 item 753 ,value in pixels 753 item 753 ,value in mm^2 29.520612 item 754 ,value in pixels 754 item 754 ,value in mm^2 29.559816 item 755 ,value in pixels 755 item 755 ,value in mm^2 29.599020000000003 item 756 , value in pixels 756 item 756 ,value in mm^2 29.638224 item 757 ,value in pixels 757 item 757 ,value in mm^2 29.677428 item 758 , value in pixels 758 item 758 ,value in mm^2 29.716632000000004 item 759 ,value in pixels 759 item 759 ,value in mm^2 29.755836000000002 item 760 , value in pixels 760 item 760 ,value in mm^2 29.79504 item 761 ,value in pixels 761 item 761 ,value in mm^2 29.834244 item 762 , value in pixels 762 item 762 ,value in mm^2 29.873448000000003 item 763 ,value in pixels 763 item 763 ,value in mm^2 29.912652 item 764 , value in pixels 764 item 764 ,value in mm^2 29.951856 item 765 , value in pixels 765 item 765 ,value in mm^2 29.991060000000004 item 766 , value in pixels 766 item 766 ,value in mm^2 30.030264000000003 item 767 ,value in pixels 767 item 767 ,value in mm^2 30.069468 item 768 ,value in pixels 768 item 768 ,value in mm^2 30.108672 item 769 ,value in pixels 769 item 769 ,value in mm^2 30.147876000000004 item 770 ,value in pixels 770 item 770 ,value in mm^2 30.18708 item 771 ,value in pixels 771 item 771 ,value in mm^2 30.226284 item 772 ,value in pixels 772 item 772 ,value in mm^2 30.265488 item 773 ,value in pixels 773 item 773 ,value in mm^2 30.304692000000003 item 774 , value in pixels 774 item 774 ,value in mm^2 30.343896 item 775 ,value in pixels 775 item 775 ,value in mm^2 30.3831 item 776 , value in pixels 776 item 776 ,value in mm^2 30.422304000000004 item 777 ,value in pixels 777 item 777 ,value in mm^2 30.461508000000002 item 778 ,value in pixels 778 item 778 ,value in mm^2 30.500712 item 779 ,value in pixels 779 item 779 ,value in mm^2 30.539916 item 780 ,value in pixels 780 item 780 ,value in mm^2 30.579120000000003

item 781 ,value in pixels 781 item 781 ,value in mm^2 30.618324 item 782 , value in pixels 782 item 782 ,value in mm^2 30.657528 item 783 ,value in pixels 783 item 783 ,value in mm^2 30.696732000000004 item 784 , value in pixels 784 item 784 ,value in mm^2 30.735936000000002 item 785 ,value in pixels 785 item 785 ,value in mm^2 30.77514 item 786 , value in pixels 786 item 786 ,value in mm^2 30.814344000000002 item 787 ,value in pixels 787 item 787 ,value in mm^2 30.853548000000004 item 788 , value in pixels 788 item 788 ,value in mm^2 30.892752 item 789 ,value in pixels 789 item 789 ,value in mm^2 30.931956 item 790 , value in pixels 790 item 790 ,value in mm^2 30.97116 item 791 , value in pixels 791 item 791 ,value in mm^2 31.010364000000003 item 792 , value in pixels 792 item 792 ,value in mm^2 31.049568 item 793 ,value in pixels 793 item 793 ,value in mm^2 31.088772 item 794 , value in pixels 794 item 794 ,value in mm^2 31.127976000000004 item 795 ,value in pixels 795 item 795 ,value in mm^2 31.167180000000002 item 796 , value in pixels 796 item 796 ,value in mm^2 31.206384 item 797 , value in pixels 797 item 797 ,value in mm^2 31.245588 item 798 ,value in pixels 798 item 798 ,value in mm^2 31.284792000000003 item 799 ,value in pixels 799 item 799 ,value in mm^2 31.323996 item 800 , value in pixels 800 item 800 ,value in mm^2 31.3632 item 801 , value in pixels 801 item 801 ,value in mm^2 31.402404000000004 item 802 , value in pixels 802 item 802 ,value in mm^2 31.441608000000002 item 803 ,value in pixels 803 item 803 ,value in mm^2 31.480812 item 804 , value in pixels 804 item 804 ,value in mm^2 31.520016000000002 item 805 , value in pixels 805 item 805 ,value in mm^2 31.559220000000003 item 806 , value in pixels 806 item 806 ,value in mm^2 31.598424 item 807 , value in pixels 807 item 807 ,value in mm^2 31.637628 item 808 , value in pixels 808 item 808 ,value in mm^2 31.676832000000005 item 809 ,value in pixels 809 item 809 ,value in mm^2 31.716036000000003 item 810 ,value in pixels 810 item 810 ,value in mm^2 31.75524

item 811 ,value in pixels 811 item 811 ,value in mm^2 31.794444 item 812 ,value in pixels 812 item 812 ,value in mm^2 31.833648 item 813 , value in pixels 813 item 813 ,value in mm^2 31.872852000000005 item 814 , value in pixels 814 item 814 ,value in mm^2 31.912056000000003 item 815 ,value in pixels 815 item 815 ,value in mm^2 31.95126 item 816 , value in pixels 816 item 816 ,value in mm^2 31.990464000000003 item 817 ,value in pixels 817 item 817 ,value in mm^2 32.029668 item 818 , value in pixels 818 item 818 ,value in mm^2 32.068872 item 819 ,value in pixels 819 item 819 ,value in mm^2 32.108076 item 820 ,value in pixels 820 item 820 ,value in mm^2 32.14728 item 821 ,value in pixels 821 item 821 ,value in mm^2 32.18648400000001 item 822 ,value in pixels 822 item 822 ,value in mm^2 32.225688000000005 item 823 ,value in pixels 823 item 823 ,value in mm^2 32.264892 item 824 , value in pixels 824 item 824 , value in mm^2 32.304096 item 825 ,value in pixels 825 item 825 ,value in mm^2 32.3433 item 826 , value in pixels 826 item 826 ,value in mm^2 32.382504 item 827 ,value in pixels 827 item 827 ,value in mm^2 32.421707999999995 item 828 ,value in pixels 828 item 828 ,value in mm^2 32.46091200000001 item 829 ,value in pixels 829 item 829 ,value in mm^2 32.500116000000006 item 830 ,value in pixels 830 item 830 ,value in mm^2 32.539320000000004 item 831 ,value in pixels 831 item 831 ,value in mm^2 32.578524 item 832 ,value in pixels 832 item 832 ,value in mm^2 32.617728 item 833 ,value in pixels 833 item 833 ,value in mm^2 32.656932 item 834 ,value in pixels 834 item 834 ,value in mm^2 32.696135999999996 item 835 ,value in pixels 835 item 835 ,value in mm^2 32.73534000000001 item 836 ,value in pixels 836 item 836 ,value in mm^2 32.774544000000006 item 837 ,value in pixels 837 item 837 ,value in mm^2 32.813748000000004 item 838 ,value in pixels 838 item 838 ,value in mm^2 32.852952 item 839 ,value in pixels 839 item 839 ,value in mm^2 32.892156 item 840 ,value in pixels 840 item 840 ,value in mm^2 32.93136

item 841 ,value in pixels 841 item 841 ,value in mm^2 32.970563999999996 item 842 , value in pixels 842 item 842 ,value in mm^2 33.009768 item 843 ,value in pixels 843 item 843 ,value in mm^2 33.048972000000006 item 844 , value in pixels 844 item 844 ,value in mm^2 33.088176000000004 item 845 ,value in pixels 845 item 845 ,value in mm^2 33.12738 item 846 , value in pixels 846 item 846 ,value in mm^2 33.166584 item 847 ,value in pixels 847 item 847 ,value in mm^2 33.205788 item 848 , value in pixels 848 item 848 ,value in mm^2 33.24499199999996 item 849 , value in pixels 849 item 849 ,value in mm^2 33.284196 item 850 , value in pixels 850 item 850 ,value in mm^2 33.32340000000001 item 851 ,value in pixels 851 item 851 ,value in mm^2 33.362604000000005 item 852 , value in pixels 852 item 852 ,value in mm^2 33.401808 item 853 ,value in pixels 853 item 853 , value in mm^2 33.441012 item 854 , value in pixels 854 item 854 , value in mm^2 33.480216 item 855 , value in pixels 855 item 855 ,value in mm^2 33.51942 item 856 , value in pixels 856 item 856 ,value in mm^2 33.558624 item 857 ,value in pixels 857 item 857 ,value in mm^2 33.59782800000001 item 858 ,value in pixels 858 item 858 ,value in mm^2 33.637032000000005 item 859 , value in pixels 859 item 859 ,value in mm^2 33.676236 item 860 , value in pixels 860 item 860 ,value in mm^2 33.71544 item 861 , value in pixels 861 item 861 ,value in mm^2 33.754644 item 862 , value in pixels 862 item 862 ,value in mm^2 33.793848 item 863 ,value in pixels 863 item 863 ,value in mm^2 33.833052 item 864 , value in pixels 864 item 864 ,value in mm^2 33.87225600000001 item 865 , value in pixels 865 item 865 ,value in mm^2 33.91146000000005 item 866 , value in pixels 866 item 866 , value in mm^2 33.950664 item 867 , value in pixels 867 item 867 , value in mm^2 33.989868 item 868 , value in pixels 868 item 868 ,value in mm^2 34.029072 item 869 ,value in pixels 869 item 869 ,value in mm^2 34.068276 item 870 , value in pixels 870 item 870 ,value in mm^2 34.10747999999995

item 871 ,value in pixels 871 item 871 ,value in mm^2 34.14668400000001 item 872 , value in pixels 872 item 872 ,value in mm^2 34.185888000000006 item 873 , value in pixels 873 item 873 ,value in mm^2 34.225092000000004 item 874 , value in pixels 874 item 874 ,value in mm^2 34.264296 item 875 ,value in pixels 875 item 875 ,value in mm^2 34.3035 item 876 , value in pixels 876 item 876 , value in mm^2 34.342704 item 877 ,value in pixels 877 item 877 ,value in mm^2 34.38190799999996 item 878 , value in pixels 878 item 878 ,value in mm^2 34.42111200000001 item 879 , value in pixels 879 item 879 ,value in mm^2 34.460316000000006 item 880 , value in pixels 880 item 880 ,value in mm^2 34.499520000000004 item 881 , value in pixels 881 item 881 ,value in mm^2 34.538724 item 882 , value in pixels 882 item 882 ,value in mm^2 34.577928 item 883 ,value in pixels 883 item 883 , value in mm^2 34.617132 item 884 , value in pixels 884 item 884 ,value in mm^2 34.656335999999996 item 885 , value in pixels 885 item 885 ,value in mm^2 34.69554 item 886 , value in pixels 886 item 886 ,value in mm^2 34.734744000000006 item 887 ,value in pixels 887 item 887 ,value in mm^2 34.773948000000004 item 888 ,value in pixels 888 item 888 ,value in mm^2 34.813152 item 889 ,value in pixels 889 item 889 ,value in mm^2 34.852356 item 890 , value in pixels 890 item 890 ,value in mm^2 34.89156 item 891 , value in pixels 891 item 891 ,value in mm^2 34.93076399999996 item 892 , value in pixels 892 item 892 , value in mm^2 34.969968 item 893 ,value in pixels 893 item 893 ,value in mm^2 35.00917200000001 item 894 , value in pixels 894 item 894 ,value in mm^2 35.048376000000005 item 895 , value in pixels 895 item 895 , value in mm^2 35.08758 item 896 , value in pixels 896 item 896 , value in mm^2 35.126784 item 897 , value in pixels 897 item 897 , value in mm^2 35.165988 item 898 , value in pixels 898 item 898 ,value in mm^2 35.205192 item 899 ,value in pixels 899 item 899 ,value in mm^2 35.244396 item 900 , value in pixels 900 item 900 ,value in mm^2 35.2836000000001

item 901 ,value in pixels 901 item 901 ,value in mm^2 35.322804000000005 item 902 , value in pixels 902 item 902 ,value in mm^2 35.362008 item 903 ,value in pixels 903 item 903 ,value in mm^2 35.401212 item 904 , value in pixels 904 item 904 ,value in mm^2 35.440416 item 905 ,value in pixels 905 item 905 ,value in mm^2 35.47962 item 906 , value in pixels 906 item 906 ,value in mm^2 35.518824 item 907 ,value in pixels 907 item 907 ,value in mm^2 35.55802800000001 item 908 , value in pixels 908 item 908 ,value in mm^2 35.597232000000005 item 909 , value in pixels 909 item 909 ,value in mm^2 35.636436 item 910 ,value in pixels 910 item 910 ,value in mm^2 35.67564 item 911 ,value in pixels 911 item 911 ,value in mm^2 35.714844 item 912 ,value in pixels 912 item 912 ,value in mm^2 35.754048 item 913 ,value in pixels 913 item 913 ,value in mm^2 35.793251999999995 item 914 , value in pixels 914 item 914 ,value in mm^2 35.83245600000001 item 915 ,value in pixels 915 item 915 ,value in mm^2 35.871660000000006 item 916 ,value in pixels 916 item 916 ,value in mm^2 35.910864000000004 item 917 , value in pixels 917 item 917 ,value in mm^2 35.950068 item 918 ,value in pixels 918 item 918 ,value in mm^2 35.989272 item 919 ,value in pixels 919 item 919 ,value in mm^2 36.028476 item 920 ,value in pixels 920 item 920 ,value in mm^2 36.06767999999996 item 921 , value in pixels 921 item 921 ,value in mm^2 36.10688400000001 item 922 ,value in pixels 922 item 922 ,value in mm^2 36.146088000000006 item 923 ,value in pixels 923 item 923 ,value in mm^2 36.185292000000004 item 924 ,value in pixels 924 item 924 ,value in mm^2 36.224496 item 925 ,value in pixels 925 item 925 ,value in mm^2 36.2637 item 926 ,value in pixels 926 item 926 ,value in mm^2 36.302904 item 927 ,value in pixels 927 item 927 ,value in mm^2 36.34210799999996 item 928 ,value in pixels 928 item 928 ,value in mm^2 36.381312 item 929 ,value in pixels 929 item 929 ,value in mm^2 36.420516000000006 item 930 ,value in pixels 930 item 930 ,value in mm^2 36.459720000000004

item 931 ,value in pixels 931 item 931 ,value in mm^2 36.498924 item 932 ,value in pixels 932 item 932 ,value in mm^2 36.538128 item 933 ,value in pixels 933 item 933 ,value in mm^2 36.577332 item 934 ,value in pixels 934 item 934 ,value in mm^2 36.616535999999996 item 935 ,value in pixels 935 item 935 ,value in mm^2 36.65574 item 936 ,value in pixels 936 item 936 ,value in mm^2 36.69494400000001 item 937 ,value in pixels 937 item 937 ,value in mm^2 36.734148000000005 item 938 , value in pixels 938 item 938 ,value in mm^2 36.773352 item 939 ,value in pixels 939 item 939 ,value in mm^2 36.812556 item 940 ,value in pixels 940 item 940 ,value in mm^2 36.85176 item 941 ,value in pixels 941 item 941 ,value in mm^2 36.890964 item 942 ,value in pixels 942 item 942 ,value in mm^2 36.930168 item 943 , value in pixels 943 item 943 ,value in mm^2 36.96937200000001 item 944 , value in pixels 944 item 944 ,value in mm^2 37.008576000000005 item 945 ,value in pixels 945 item 945 ,value in mm^2 37.04778 item 946 , value in pixels 946 item 946 ,value in mm^2 37.086984 item 947 , value in pixels 947 item 947 ,value in mm^2 37.126188 item 948 ,value in pixels 948 item 948 ,value in mm^2 37.165392 item 949 ,value in pixels 949 item 949 ,value in mm^2 37.204596 item 950 ,value in pixels 950 item 950 ,value in mm^2 37.2438000000001 item 951 ,value in pixels 951 item 951 ,value in mm^2 37.28300400000005 item 952 ,value in pixels 952 item 952 ,value in mm^2 37.322208 item 953 ,value in pixels 953 item 953 ,value in mm^2 37.361412 item 954 ,value in pixels 954 item 954 ,value in mm^2 37.400616 item 955 ,value in pixels 955 item 955 ,value in mm^2 37.43982 item 956 ,value in pixels 956 item 956 ,value in mm^2 37.479024 item 957 ,value in pixels 957 item 957 ,value in mm^2 37.51822800000001 item 958 ,value in pixels 958 item 958 ,value in mm^2 37.557432000000006 item 959 ,value in pixels 959 item 959 ,value in mm^2 37.596636000000004 item 960 , value in pixels 960 item 960 ,value in mm^2 37.63584

item 961 ,value in pixels 961 item 961 ,value in mm^2 37.675044 item 962 , value in pixels 962 item 962 ,value in mm^2 37.714248 item 963 ,value in pixels 963 item 963 ,value in mm^2 37.753451999999996 item 964 , value in pixels 964 item 964 ,value in mm^2 37.79265600000001 item 965 ,value in pixels 965 item 965 ,value in mm^2 37.831860000000006 item 966 , value in pixels 966 item 966 ,value in mm^2 37.871064000000004 item 967 ,value in pixels 967 item 967 ,value in mm^2 37.910268 item 968 , value in pixels 968 item 968 ,value in mm^2 37.949472 item 969 ,value in pixels 969 item 969 ,value in mm^2 37.988676 item 970 ,value in pixels 970 item 970 ,value in mm^2 38.02787999999996 item 971 ,value in pixels 971 item 971 ,value in mm^2 38.067084 item 972 ,value in pixels 972 item 972 ,value in mm^2 38.106288000000006 item 973 ,value in pixels 973 item 973 ,value in mm^2 38.145492000000004 item 974 , value in pixels 974 item 974 ,value in mm^2 38.184696 item 975 ,value in pixels 975 item 975 ,value in mm^2 38.2239 item 976 , value in pixels 976 item 976 ,value in mm^2 38.263104 item 977 ,value in pixels 977 item 977 ,value in mm^2 38.302308 item 978 ,value in pixels 978 item 978 ,value in mm^2 38.341512 item 979 ,value in pixels 979 item 979 ,value in mm^2 38.38071600000001 item 980 ,value in pixels 980 item 980 ,value in mm^2 38.41992000000005 item 981 ,value in pixels 981 item 981 ,value in mm^2 38.459124 item 982 ,value in pixels 982 item 982 ,value in mm^2 38.498328 item 983 ,value in pixels 983 item 983 ,value in mm^2 38.537532 item 984 ,value in pixels 984 item 984 ,value in mm^2 38.576736 item 985 ,value in pixels 985 item 985 ,value in mm^2 38.61594 item 986 ,value in pixels 986 item 986 ,value in mm^2 38.65514400000001 item 987 ,value in pixels 987 item 987 ,value in mm^2 38.694348000000005 item 988 ,value in pixels 988 item 988 ,value in mm^2 38.733552 item 989 ,value in pixels 989 item 989 ,value in mm^2 38.772756 item 990 , value in pixels 990 item 990 ,value in mm^2 38.81196

item 991 ,value in pixels 991 item 991 ,value in mm^2 38.851164 item 992 , value in pixels 992 item 992 ,value in mm^2 38.890368 item 993 ,value in pixels 993 item 993 ,value in mm^2 38.92957200000001 item 994 , value in pixels 994 item 994 ,value in mm^2 38.968776000000005 item 995 ,value in pixels 995 item 995 ,value in mm^2 39.00798 item 996 , value in pixels 996 item 996 ,value in mm^2 39.047184 item 997 ,value in pixels 997 item 997 ,value in mm^2 39.086388 item 998 , value in pixels 998 item 998 ,value in mm^2 39.125592 item 999 , value in pixels 999 item 999 ,value in mm^2 39.164796 item 1000 ,value in pixels 1000 item 1000 ,value in mm^2 39.2040000000001 item 1001 , value in pixels 1001 item 1001 ,value in mm^2 39.24320400000006 item 1002 , value in pixels 1002 item 1002 ,value in mm^2 39.282408000000004 item 1003 , value in pixels 1003 item 1003 ,value in mm^2 39.321612 item 1004 ,value in pixels 1004 item 1004 ,value in mm^2 39.360816 item 1005 , value in pixels 1005 item 1005 ,value in mm^2 39.40002 item 1006 ,value in pixels 1006 item 1006 ,value in mm^2 39.43922399999996 item 1007 , value in pixels 1007 item 1007 ,value in mm^2 39.47842800000001 item 1008 ,value in pixels 1008 item 1008 ,value in mm^2 39.517632000000006 item 1009 ,value in pixels 1009 item 1009 ,value in mm^2 39.556836000000004 item 1010 ,value in pixels 1010 item 1010 ,value in mm^2 39.59604 item 1011 , value in pixels 1011 item 1011 ,value in mm^2 39.635244 item 1012 , value in pixels 1012 item 1012 ,value in mm^2 39.674448 item 1013 ,value in pixels 1013 item 1013 ,value in mm^2 39.713651999999996 item 1014 ,value in pixels 1014 item 1014 ,value in mm^2 39.752856 item 1015 , value in pixels 1015 item 1015 ,value in mm^2 39.792060000000006 item 1016 , value in pixels 1016 item 1016 ,value in mm^2 39.831264000000004 item 1017 , value in pixels 1017 item 1017 ,value in mm^2 39.870468 item 1018 , value in pixels 1018 item 1018 ,value in mm^2 39.909672 item 1019 ,value in pixels 1019 item 1019 ,value in mm^2 39.948876 item 1020 ,value in pixels 1020 item 1020 ,value in mm^2 39.98808

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item 1021 ,value in pixels 1021
item 1021 ,value in mm^2 40.027284
item 1022 ,value in pixels 1022
item 1022 ,value in mm^2 40.06648800000001
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