



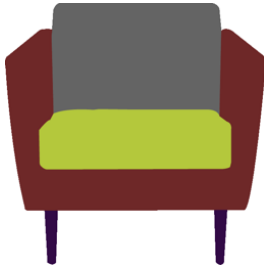

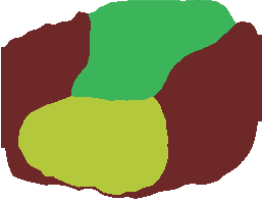










Lab4: Segmentation

系級:智能系統 學號:312581006 姓名:張宸瑋

A. 3 images of Validation results at epoch 5, 10, and 20.

Input			
GT			
Epoch=3			
Epoch=15			
Epoch=40			

B. Test results consisting of 10 segmentation images.

Test results	Input	GT	Predict
(0401.png): PSNR = 36.02 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.5353 (椅腳(黑色)): IoU = 0.3803 (椅子底(黃色)): IoU = 0.5415 (椅背(灰色)): IoU = 0.8766 Overall IoU 0.4667302471526001			
(0402.png): PSNR = 39.86 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.8445 (椅腳(黑色)): IoU = 0.8382 (椅子底(黃色)): IoU = 0.9233 (椅背(灰色)): IoU = 0.9546 Overall IoU 0.7121164312551834			
(0403.png): PSNR = 39.75 (椅墊(綠色)): IoU = 0.9136 (扶手(咖啡色)): IoU = 0.9249 (椅腳(黑色)): IoU = 0.6513 (椅子底(黃色)): IoU = 0.8853 (椅背(灰色)): IoU = 0.6742 Overall IoU 0.8098530043272756			
(0404.png): PSNR = 38.31 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.8293 (椅腳(黑色)): IoU = 0.7642 (椅子底(黃色)): IoU = 0.7094 (椅背(灰色)): IoU = 0.7721 Overall IoU 0.6150014398995648			
(0405.png): PSNR = 37.72 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.7946 (椅腳(黑色)): IoU = 0.4951 (椅子底(黃色)): IoU = 0.8120 (椅背(灰色)): IoU = 0.8358 Overall IoU 0.5874963773588733			
(0406.png): PSNR = 38.49 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.8412 (椅腳(黑色)): IoU = 0.5498 (椅子底(黃色)): IoU = 0.8965 (椅背(灰色)): IoU = 0.8882 Overall IoU 0.6351307746814194			

<div>(0407.png): PSNR = 37.23 (椅墊(綠色)): IoU = 0.7878 (扶手(咖啡色)): IoU = 0.8454 (椅腳(黑色)): IoU = 0.0012 (椅子底(黃色)): IoU = 0.6099 (椅背(灰色)): IoU = 0.5611 Overall IoU 0.5610610195015454</div>			
<div>(0408.png): PSNR = 36.10 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.7360 (椅腳(黑色)): IoU = 0.5104 (椅子底(黃色)): IoU = 0.7106 (椅背(灰色)): IoU = 0.2458 Overall IoU 0.44055704733403334</div>			
<div>(0409.png): PSNR = 36.43 (椅墊(綠色)): IoU = NaN (扶手(咖啡色)): IoU = 0.7496 (椅腳(黑色)): IoU = 0.3874 (椅子底(黃色)): IoU = 0.8670 (椅背(灰色)): IoU = 0.8159 Overall IoU 0.7049708009273001</div>			
<div>(0410.png): PSNR = 37.75 (椅墊(綠色)): IoU = 0.0000 (扶手(咖啡色)): IoU = 0.6908 (椅腳(黑色)): IoU = 0.6442 (椅子底(黃色)): IoU = 0.7813 (椅背(灰色)): IoU = 0.8665 Overall IoU 0.5965698926645067</div>			
<div>Mean IoU: 0.6129</div>			