Computer Vision
Spring 2019
Problem Set #2

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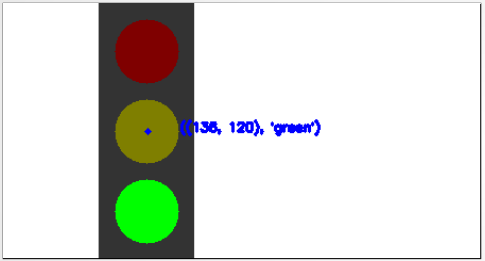
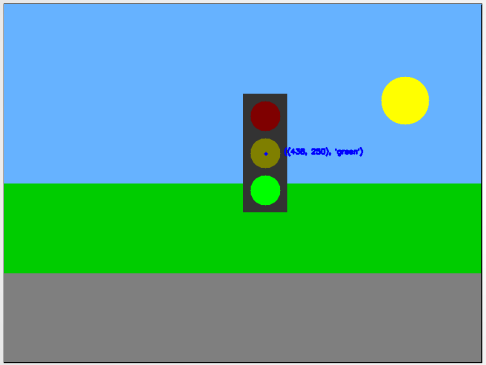
Traffic Light Detection



ps2-1-a-1

Coordinates and State:
(136, 120), color: green

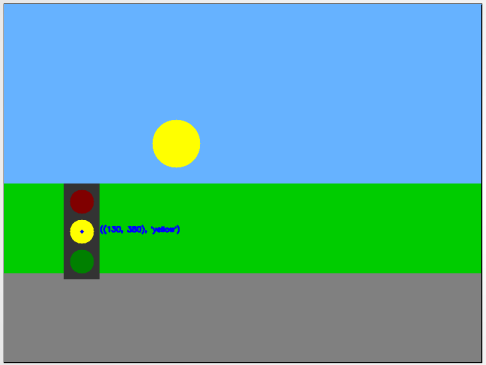
Traffic Light Detection



ps2-1-a-2

Coordinates and State:
(438, 250), color: green

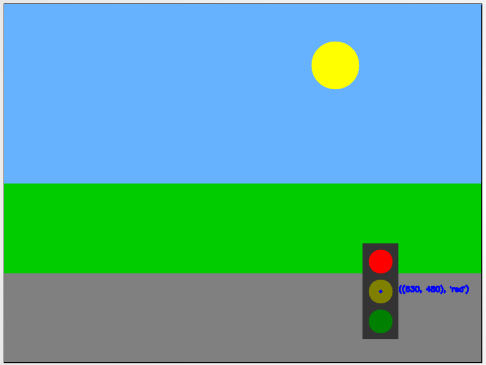
Traffic Light Detection



ps2-1-a-3

Coordinates and State:
(130, 380), color: yellow

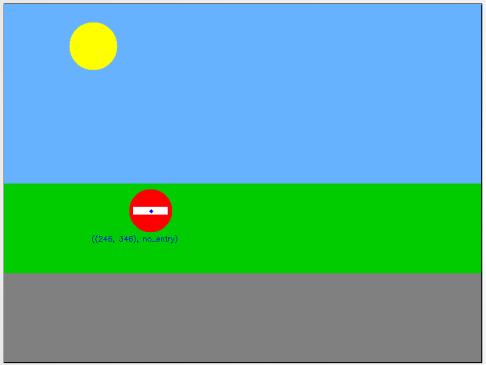
Traffic Light Detection



ps2-1-a-4

Coordinates and State:
(63-, 480), color: red

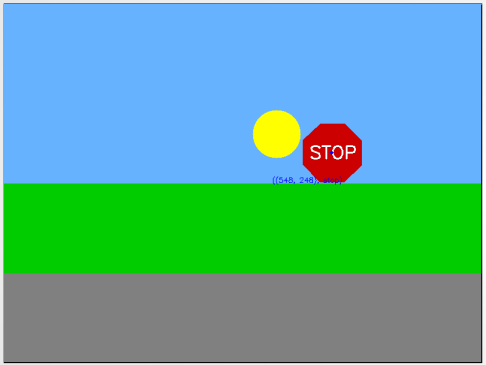
Traffic Sign Detection - Do Not Enter



ps2-2-a-1

Coordinates:
(246, 346)

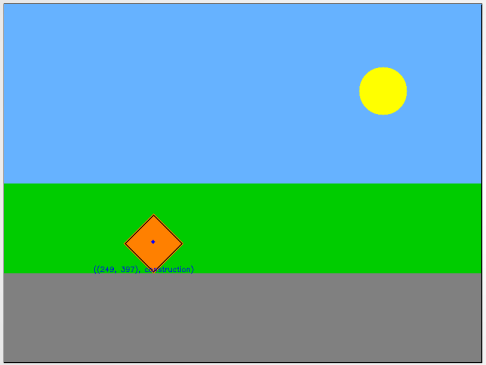
Traffic Sign Detection - Stop



ps2-2-a-2

Coordinates:
(548, 248)

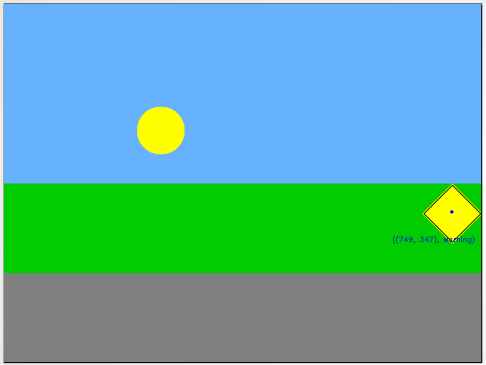
Traffic Sign Detection - Construction



ps2-2-a-3

Coordinates:
(249, 397)

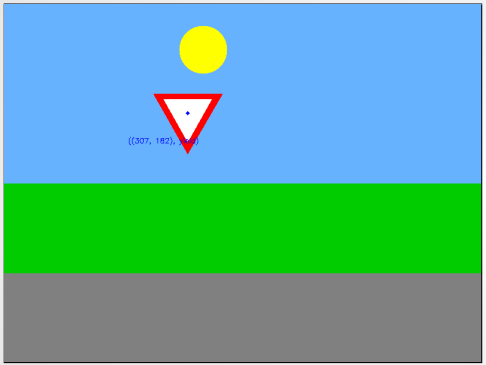
Traffic Sign Detection - Warning



ps2-2-a-4

Coordinates:
(749, 347)

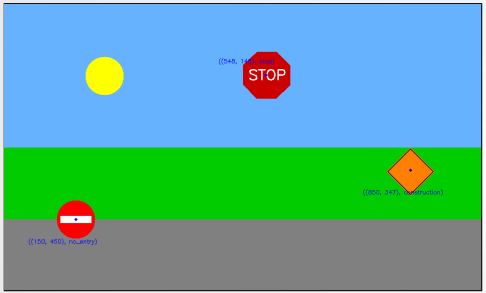
Traffic Sign Detection - Yield



ps2-2-a-5

Coordinates:
(307, 182)

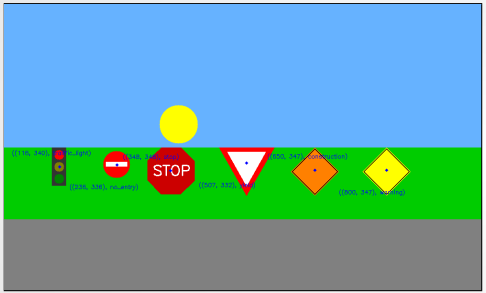
Multiple Sign Detection



ps2-3-a-1

Coordinates and Name:
no entry: (150, 450)
stop sign: (548, 148)
construction sign: (850, 347)

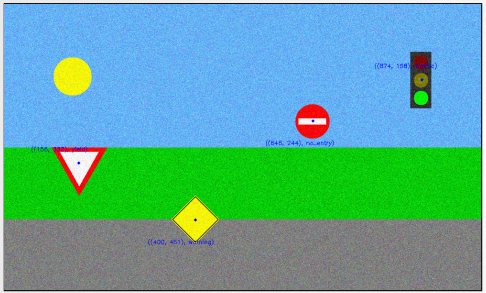
Multiple Sign Detection



ps2-3-a-2

Coordinates and Name:
no entry: (236, 336)
stop sign: (348, 348)
construction sign: (650, 347)
yield sign: (507, 332)
warning sign: (800, 347)
traffic sign: (116, 340)

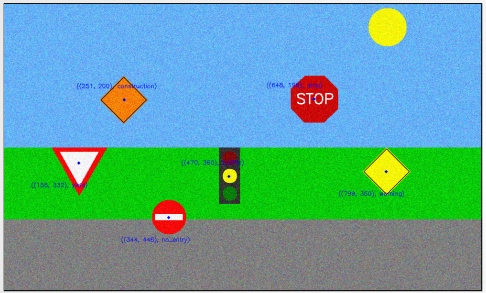
Multiple Sign Detection With Noise



ps2-4-a-1

Coordinates and Name:
no entry: (646, 244)
yield sign: (156, 332)
warning sign: (400, 451)
traffic sign: (874, 158)

Multiple Sign Detection With Noise



ps2-4-a-2

Coordinates and Name:
no_entry : $(344, 446)$
$stop_sign$: $(648, 198)$
$construction_sign$: $(251, 200)$
$yield$: $(156, 332)$
$warning$: $(799, 350)$
$trafficlight$: $(470, 360)$

Challenge problem - A

ps2-5-a-1

Coordinates and Name:
No Entry: (-1, -1)

Challenge problem - A

ps2-5-a-2

Coordinates and Name:
No Entry: (-1, -1)

Challenge problem - A

ps2-5-a-3

Coordinates and Name:
No Entry: (-1, -1)

Challenge problem - B

ps2-5-b-1

Coordinates and Name:
No Entry: (-1, -1)
No Entry: (-1, -1)

Challenge problem - B

ps2-5-b-2

Coordinates and Name:
No Entry: (-1, -1)
No Entry: (-1, -1)

Challenge problem - B

ps2-5-b-3

Coordinates and Name:
No Entry: (-1, -1)
No Entry: (-1, -1)

Challenge problem - Text

Describe what you had to do to adapt your code for this task. How does the difference between simulated and real-world images affect your method? If you used other functions/methods, explain why that was better (or why your previous implementation did not work)

5c answer here
5c answer here
5c answer here
5c answer here