>> rgbImage=imread('C:\Users\Lenovo\Desktop\image proj\oilspill.jpg');

>> redBand = rgbImage(:,:, 1);

greenBand = rgbImage(:,:, 2);

blueBand = rgbImage(:,:, 3);

>> imshow(greenBand);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(redBand);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueBand);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 0;

greenThreshold = 2000;

blueThreshold = 172;

>> redMask = (redBand < redthreshold);

greenMask = (greenBand < greenThreshold);

blueMask = (blueBand < blueThreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 50;

>> greenThreshold = 200;

>> blueThreshold = 72;

>> redMask = (redBand < redthreshold);

greenMask = (greenBand < greenThreshold);

blueMask = (blueBand < blueThreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>>

>> redthreshold = 50;

greenThreshold = 150;

blueThreshold = 102;

>> redMask = (redBand < redthreshold);

greenMask = (greenBand < greenThreshold);

blueMask = (blueBand < blueThreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 50;

greenThreshold = 100;

blueThreshold = 122;

>> redMask = (redBand < redthreshold);

greenMask = (greenBand < greenThreshold);

blueMask = (blueBand < blueThreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 100;

>> redMask = (redBand < redthreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redMask = (redBand > redthreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 150;

>> redMask = (redBand > redthreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redMask = (redBand < redthreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redthreshold = 25;

>> redMask = (redBand < redthreshold);

>> imshow(redMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(redBand)

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueBand)

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 72;

>> blueMask = (blueBand < blueThreshold);

>>

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 82;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 92;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 152;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 15;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 25;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 35;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 45;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold1 = 55;

>> blueMask = (blueBand < blueThreshold)&&(blueBand >blueThreshold1);

Operands to the || and && operators must be convertible to logical

scalar values.

>> blueMask = (blueBand < blueThreshold)&(blueBand >blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 45;

blueMask = (blueBand < blueThreshold);

imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>>

>> blueThreshold = 55;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 35;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold = 25;

>> blueMask = (blueBand < blueThreshold);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>>

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=30;blueThreshold1=45;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=20;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=15;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=10;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=19;blueThreshold1=55;

>> blueThreshold=19;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=21;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=25;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=27;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=29;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=30;blueThreshold1=50;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=30;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=35;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> blueThreshold=25;blueThreshold1=55;

>> blueMask = (blueBand > blueThreshold)&(blueBand <blueThreshold1);

>> imshow(blueMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> greenThreshold=25;greenThreshold1=55;

>> greenMask = (greenBand > greenThreshold)&(greenBand <greenThreshold1);

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> greenThreshold=15;greenThreshold1=35;

>> greenMask = (greenBand > greenThreshold)&(greenBand <greenThreshold1);

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> greenThreshold=10;greenThreshold1=35;

>> greenThreshold=15;greenThreshold1=30;

>> greenMask = (greenBand > greenThreshold)&(greenBand <greenThreshold1);

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> imshow(greenMask, []);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> redObjectsMask = uint8(redMask & greenMask & blueMask);

>> redObjectsMask = uint8( greenMask & blueMask);

>> maskedrgbImage(:,:,2) = rgbImage(:,:,2) .\* redObjectsMask;

maskedrgbImage(:,:,3) = rgbImage(:,:,3) .\* redObjectsMask;

>> imshow(maskedrgbImage);

Warning: Image is too big to fit on screen; displaying at 67%

> In imuitools\private\initSize at 72

In imshow at 283

>> new=greenMask&blueMask;

>> imshow(new)