

IMAGE ARITHMETIC USING LOOP

```
%supposedly we have two images and we wanna perform arithmetic operations  
%on it we use this method called as vector arithmetics
```

```
clc;
```

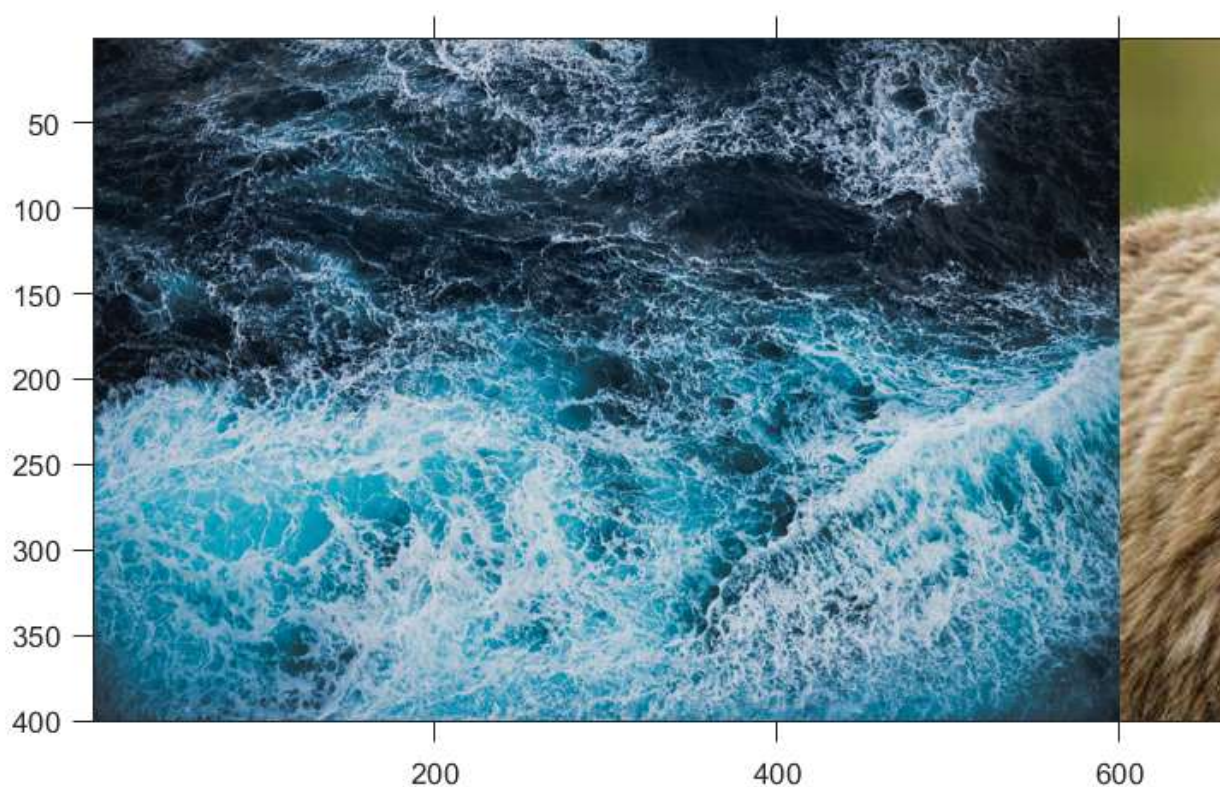
```
a = imread('C:\Users\ASWATH\Desktop\github\splash.jpg');
```

```
A = imresize(a,[400 600]);
```

```
b = imread('C:\Users\ASWATH\Desktop\github\bear1.jpg');
```

```
B = imresize(b,[400 600]);
```

```
imshowpair(A,B,'montage'), axis on;
```



```
%performing arithmetics on the image pixel wise
```

```
% here i is the rows and j is the columns
```

```
% since we use an rgb image we have to perform arithmetic on all 3 planes
```

```
% as well so we use a thrid key 'k' to choose the plane where 1 is R,2 is G
```

```
% and 3 is B
```

```
figure;
```

```
for i = 1:1:400
```

```
    for j = 1:600
```

```
        for k = 1:3
```

```
            d(i,j,k) = A(i,j,k) + B(i,j,k);
```

```
end  
end  
end  
imshow(d), axis on;
```

