
```
function [verticalPrewitt, horizontalPrewitt] = prewittFilter(image)
%UNTITLED4 Summary of this function goes here
% Detailed explanation goes here
verticalPrewittFilter = [-1 0 1;
                        -1 0 1;
                        -1 0 1];

horizontalPrewittFilter = [-1 -1 -1;
                           0 0 0;
                           1 1 1];

verticalPrewitt = imfilter(image, verticalPrewittFilter, 'replicate');
horizontalPrewitt = imfilter(image,
    horizontalPrewittFilter, 'replicate');

end
```

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