
```
function [ psrValue ] = PSR(response, maxRow, maxCol)

    boxFilterSize = 3;
    boxRadius = floor(boxFilterSize / 2);

    sizeX = size(response, 1);
    sizeY = size(response, 2);

    valuesOutsidePeak = [];
    x = 1;

    for i = 1:sizeX
        for j = 1:sizeY
            if (i < maxRow - boxRadius || i > maxRow + boxRadius) ...
                || (j < maxCol - boxRadius || j > maxCol + boxRadius)
                valuesOutsidePeak(x) = response(i, j);
                x = x + 1;
            end
        end
    end

    meanValue = mean(valuesOutsidePeak);
    standardDev = std(valuesOutsidePeak);

    psrValue = (response(maxRow, maxCol) - meanValue) / standardDev;

end
```

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