
compositions.TensorDecomp.edgeSetToIncidenceMat

Table of Contents

Syntax	1
Input	1
Output	1
Disclaimer	1
Code	1

Creates an incidence matrix from an edge set. An edge set is a matrix with numEdges rows and sizeOfEdges columns where each row is a hyperedge.

Syntax

Input

Output

Disclaimer

Code

```
function H = edgeSetToIncidenceMatrix(edgeSet)
    m = size(edgeSet, 1);
    n = max(edgeSet, [], 'all');
    H = zeros(n, m);
    for i = 1:m
        edge = edgeSet(i, :);
        H(edge, i) = 1;
    end
end
```

Published with MATLAB® R2021b