

Torch for Matlab[®] Users

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Get help for a specific function:

Matlab	<code>help sqrt</code>
Torch	<code>help(torch.sqrt)</code>

Create a two dimensional tensor or matrix:

Matlab	<code>[9, 6, 3, 4; 7, 2, 8, 1]</code>
Torch	<code>torch.Tensor({{9, 6, 3, 4}, {7, 2, 8, 1}})</code>

Create a row vector:

Matlab	<code>[9, 7, 6, 8]</code> or <code>[9 7 6 8]</code>
Torch	<code>torch.Tensor({{9, 7, 6, 8}})</code>

Create a column vector:

Matlab	<code>[9; 7; 6; 8]</code>
Torch	<code>torch.Tensor({{9}, {7}, {6}, {8}})</code>

Create a one dimensional tensor:

Matlab	Matlab does not have <i>one dimensional tensors</i> . You can verify this by running <code>ndims([9, 7, 6, 8])</code> .
Torch	<code>torch.Tensor({9, 7, 6, 8})</code>

Short description here:

Matlab	Matlab code here
Torch	Torch code here

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