









EXAMPLES OF CUSTOM TIKZ STYLING FOR TRACE DIAGRAMS

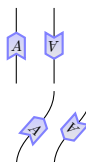
LABELS


`\draw(0,0)node[vertex]{}node[leftlabel]{L}...`

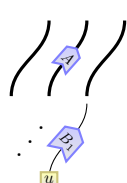
NODE STYLES

- `\draw(0,0)node[vertex]{};`
- `\draw(0,-.5)node[ciliation]{};`
- `\draw(0,-1)node[ciliatednode=150]{};`
-  `\draw(0,-1.5)node[vector]{u};`
-  `\draw(0,-2)node[small vector]{u};`
-  `\draw(0,-2.5)node[plain vector]{u};`
-  `\draw(0,-3)node[matrix]{A};`
-  `\draw(0,-3.5)node[reverse matrix]{A};`
-  `\draw(0,-4)node[small matrix]{A};`
-  `\draw(0,-4.5)node[reverse small matrix]{A};`




NODES ON EDGES


`\draw(0,0)to node[matrix on edge]{A}(0,1);`
`\draw(.5,0)to node[reverse matrix on edge]{A}(.5,1);`
`\draw[wavyup](0,0)to node[matrix on edge]{A}(.5,1);`
`\draw[wavyup](.5,0)to node[reverse matrix on edge]{A}(1,1);`

MORE LINE STYLES


`\draw[trivalent,wavyup](0,0)to(.5,1);`
`\draw[trivalent,wavyup](.5,0)to node[matrix on edge]{A}(1,1);`
`\draw[trivalent,wavyup](1,0)to node[rightlabel,pos=.9]{i}(1.5,1);`
`\draw[dotdotdot,wavyup](0,-1)to(.5,0);`
`\draw(.5,-1)node[small vector]{u}to[wavyup]node[matrix on edge]{B_1}(1,0);`

BOXES

 `\draw[symmetrizer](0,.8)rectangle node[symlabel]{n}(1,1.1);`
 `\draw[permutation](0,.35)rectangle node[symlabel]{σ}(1,.65);`
 `\draw[antisymmetrizer](0,-.1)rectangle node[asymlabel]{n}(1,.2);`