Null Twists in Aw and in g_0

November 13, 2016 11:51 AM

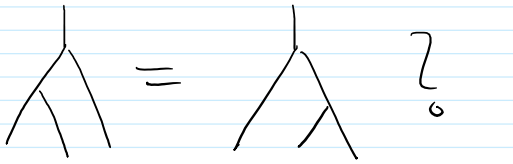
$\alpha_{xy}=0$

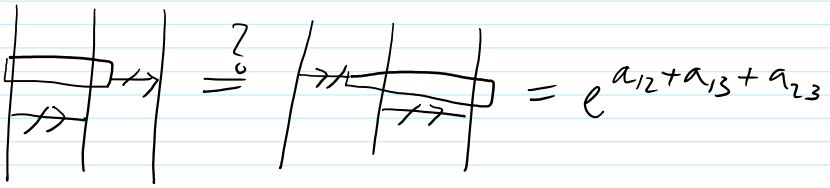
```
In[12]:= F ** (F // dσ[y, z] // dΔ[x, x, y])
Out[12]= Es[⟨x → LS[0, xy αs[x, y] + xz αs[x, y] + yz αs[x, y], ...],
    y → LS[x, xz αs[x, y] + yz αs[x, y] + xy βs[x, y], ...], z → LS[x + y, xz βs[x, y] + yz βs[x, y], ...]⟩,
   CWS[0, 2 xx γs[x, x] + 2 xy γs[x, x] + yy γs[x, x] + xy γs[x, y] + xz γs[x, y] + yz γs[x, y] + yy γs[y, y] + zz γs[y, y], ...]]
```

$\beta_{xy}=0$

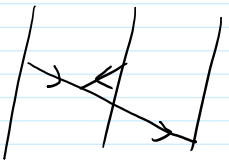
```
In[11]:= (F // dσ[{x, y} -> {y, z}]) ** (F // dΔ[y, y, z])
Out[11]= Es[⟨x → LS[0, xy αs[x, y] + xz αs[x, y], ...], y → LS[x, yz αs[x, y] + xy βs[x, y] + xz βs[x, y], ...],
    z → LS[x + y, xy/2 + xy βs[x, y] + xz βs[x, y] + yz βs[x, y], ...]⟩,
   CWS[0, xx γs[x, x] + yy γs[x, x] + xy γs[x, y] + xz γs[x, y] + yz γs[x, y] + yy γs[y, y] + 2 yz γs[y, y] + 2 zz γs[y, y], ...]]
```

no fixing this.





The problem: No fixing



Yet e^{b/c_2} seems like a legit null twist in g_0.