

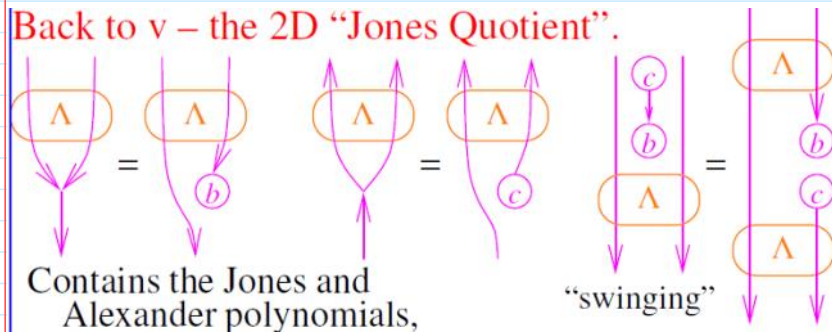
Fixing the δ relations

April 13, 2016 12:09 PM

use some accented c inside
 $f_k, f_{k\sim 2}$

```
UU[expr_] // S := UU[S[expr // . {
  deltaaa[f_, i_, j_, k_, l_] /: !OQ[j, l] => deltaaa[f, k, l, i, j],
  deltaaa[f_, i_, j_, k_, l_] /: !OQ[i, k] & DQ[j, l] & OQ[j, l] =>
  deltaaa[f, i, l, k, j] + deltaaa[epsilon_1 b_k f, c, l, i, j] + deltaaa[-epsilon_1 b_i f, c, l, k, j] +
  deltaaa[-epsilon_1 b_k f, c, j, i, l] + deltaaa[epsilon_1 b_i f, c, j, k, l],
  deltaaa[f_, i_, k_, j_, l_] /: !OQ[i, j] =>
  deltaaa[f, j, k, i, l] + deltaaa[-epsilon_2 b_i f, j, k] + deltaaa[epsilon_2 b_j f, i, k]
}]]];
```

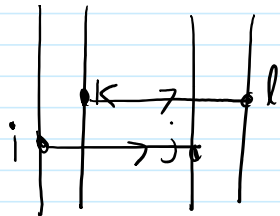
Back to v – the 2D “Jones Quotient”.



```
UU[deltaaa[g17[b_t, b_5], c, 5, t, 3]] // S
```

ReplaceRepeated::rrlim: Exiting after deltaaa[g17[b_t, b_5], c, 5, t, 3] scanned 65536 times. >>

```
UU[deltaaa[-g17[b_t, b_5], c, 3, t, 5] +
  deltaaa[g17[b_t, b_5], c, 5, t, 3] + deltaaa[g17[b_t, b_5], t, 5, c, 3] +
  deltaaa[-b_t g17[b_t, b_5], c, 5, c, 3] + deltaaa[b_t g17[b_t, b_5], c, 3, c, 5]]
```



Solution in Fixing2DReIs.nb