

JonesPolynomial@k gives the Jones

polynomial of the knot k , which is given in modified DT form.

```
JonesPolynomial@k_MDT := JonesPolynomial@k =
```

```
  ( (-q3/4)Writhe@k Expand[Times @@ ToPD@k /.  
    Xa_,b_,c_,d_ := Strand[a, b] Strand[c, d] q-1/4  
      + Strand[a, d] Strand[b, c] q1/4]  
    / Strand[0, 0]  
    // Apart  
    // {#, # /. q → q-1} &  
    // Sort) [[1]];
```