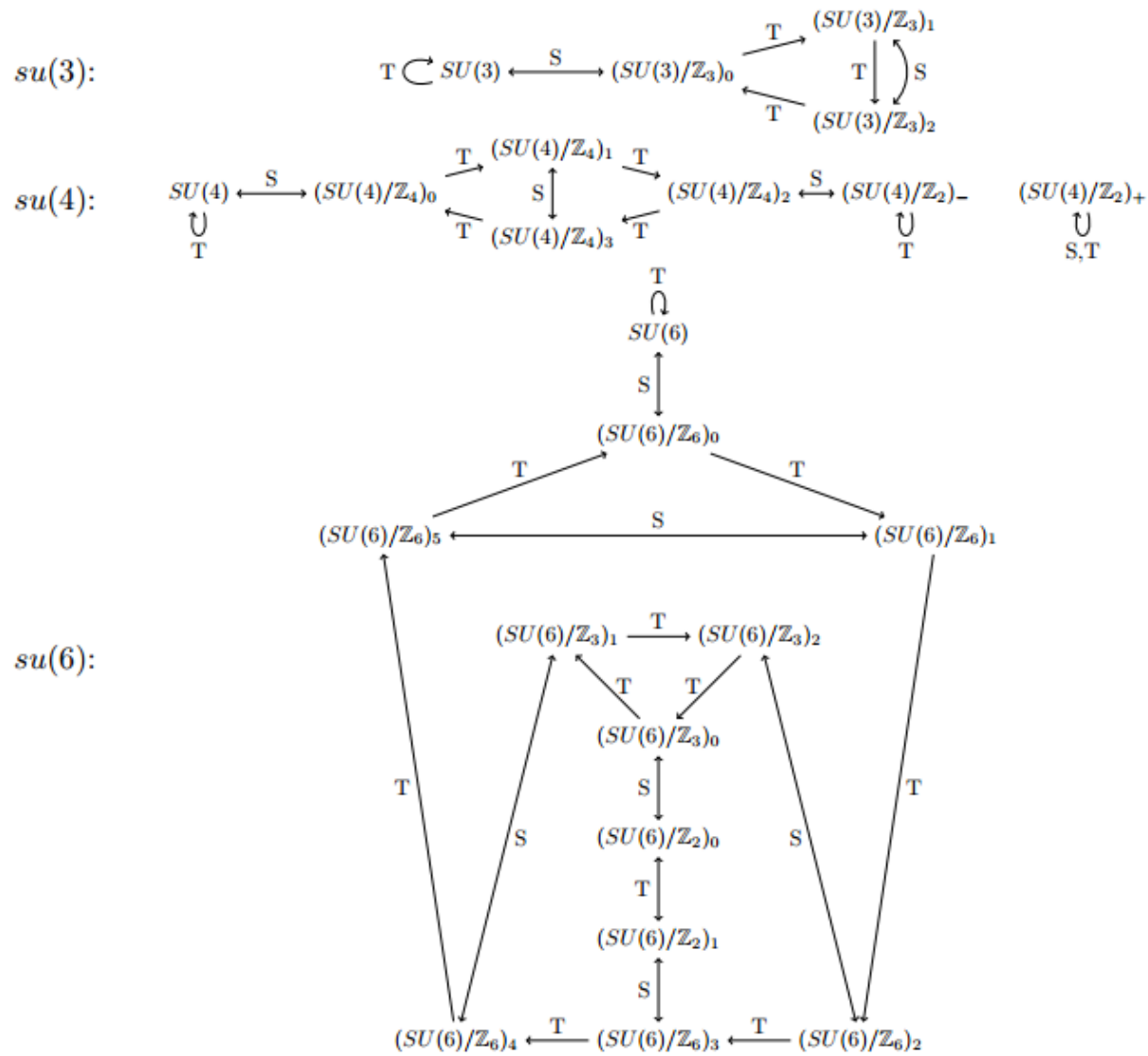


# Rauzy-Veech Identities

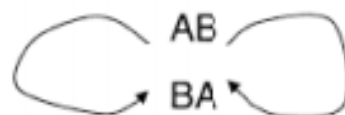
John D Mangual

I was reading a string theory paper and checking the references. The formula didn't make much sense, and upon closer inspection the diagram from one set of papers I was reading looked exactly like the other.

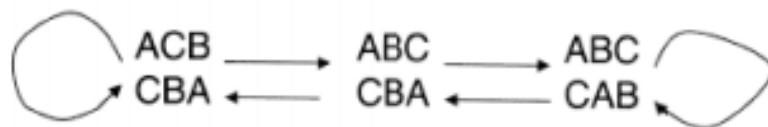
# S-duality and T-duality



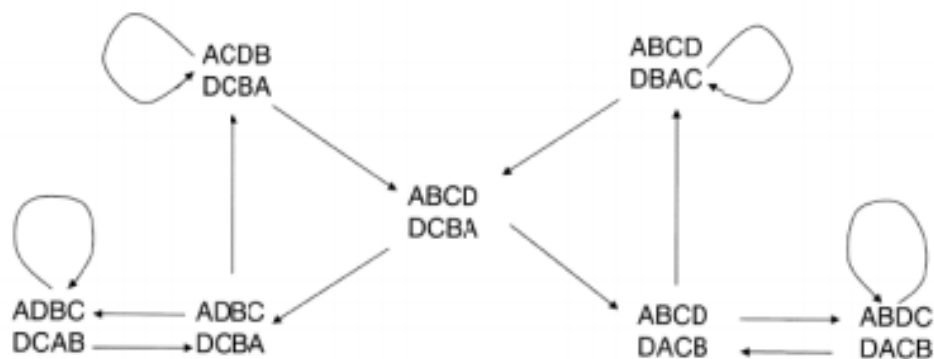
# Rauzy-Veech Induction



$$g=1, s=1, d=2$$



$$g=1, s=2, d=3$$



$$g=2, s=1, d=4$$

## References

- (1) Ofer Aharony, Nathan Seiberg, Yuji Tachikawa.  
**Reading between the lines of four-dimensional gauge theories** [arXiv:1305.0318](#)
- (2) Artur Avila, Carlos Matheus, Jean-Christophe Yoccoz.  
**Zorich conjecture for hyperelliptic Rauzy-Veech groups.** [arXiv:1606.01227](#)
- (3) JC Yoccoz **Interval exchange maps and translation surfaces** from  
**Homogeneous Flows, Moduli Spaces and Arithmetic** <http://www.claymath.org/library/proceedings/cmip010c.pdf>