

FASTSUM

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- try-tools work well
 - try-convert will likely be used by us
 - ‘expat.h’ in try-binary may be problematic? (on some systems)
- We have a greater understanding of the XML for ensembles and configuration
 - The CLS XML are a useful guide for us as we also use (a fork of) openQCD
- Our fermion action looks to be supported
- Our gauge action is not currently supported

- Token system works well (once it works)
 - **ILDG needs to encourage users to try IdP well ahead of planned use**
- **Plans:**
 - We will prepare MD for i.e. `anisotropicTpWilson` and put other details in the `additionalInfo`
 - Most likely use UK RG

$$S_G = \frac{\beta}{N_c \gamma_g} \left\{ \sum_{x, s > s'} \left[\frac{c_0}{u_s^4} P_{ss'}(x) + \frac{c_1}{u_s^6} (R_{ss'}(x) + R_{s's}(x)) \right] + \gamma_g^2 \sum_{x, s} \left[\frac{c_0 + 4c_1}{c_0} \frac{c_0}{u_s^2 u_t^2} P_{st} + \frac{c_1}{u_s^4 u_t^2} R_{st}(x) \right] \right\}$$

- Does not recover isotropic limit!! (No double temporal link rectangles R_{ts})

anisotropic Tp Wilson

β
 g_0
 aniso Direction

u_s
 u_t
 Recover's isotropic action

aniso Tp 6 link

c_0
 c_1
 c_2
 c_3

anisotropic Tp Sym R_{st}

$c_2 = c_3 = 0$

Our action

Does not recover isotropic limit