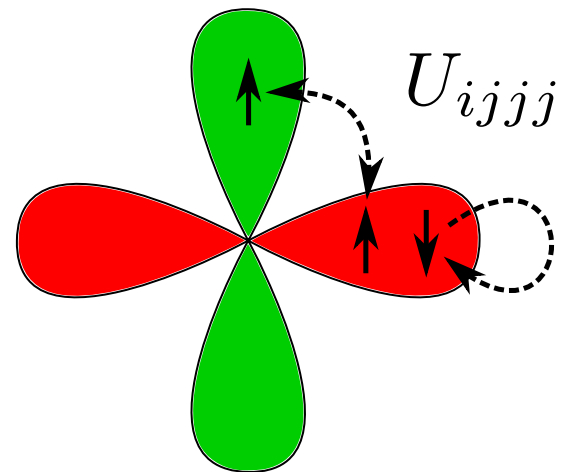
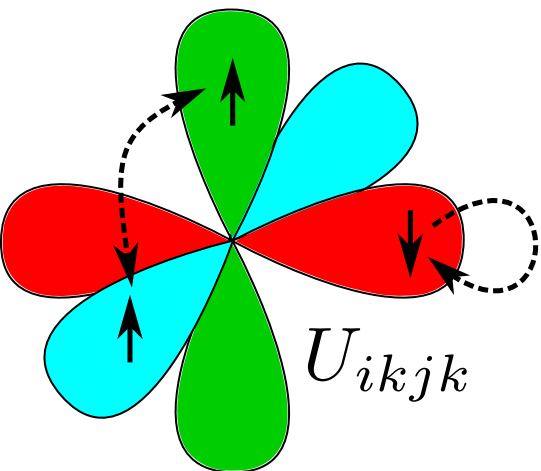


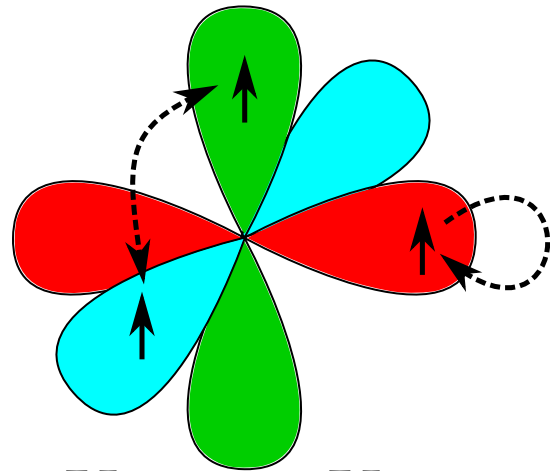
$$c_{i\sigma}^\dagger c_{j\sigma} n_{j\bar{\sigma}}$$



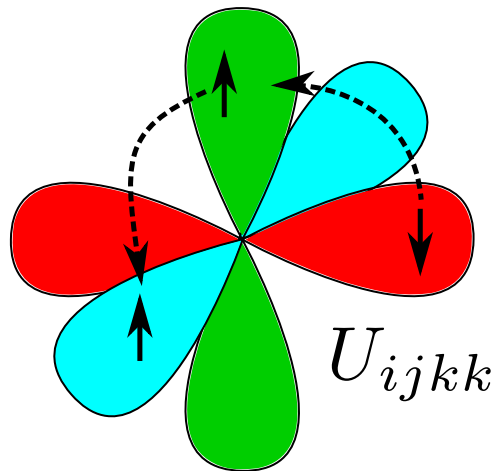
$$c_{i\sigma}^\dagger c_{j\sigma} n_{k\bar{\sigma}}$$



$$c_{i\sigma}^\dagger c_{j\sigma} n_{k\sigma}$$



$$c_{i\sigma}^\dagger c_{k\bar{\sigma}}^\dagger c_{j\bar{\sigma}} c_{k\sigma}$$



$$c_{i\sigma}^\dagger c_{j\bar{\sigma}}^\dagger c_{k\bar{\sigma}} c_{k\sigma}$$

