

## Free energy of single junction rings

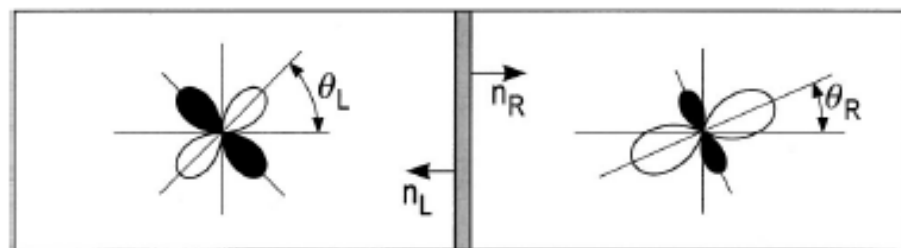
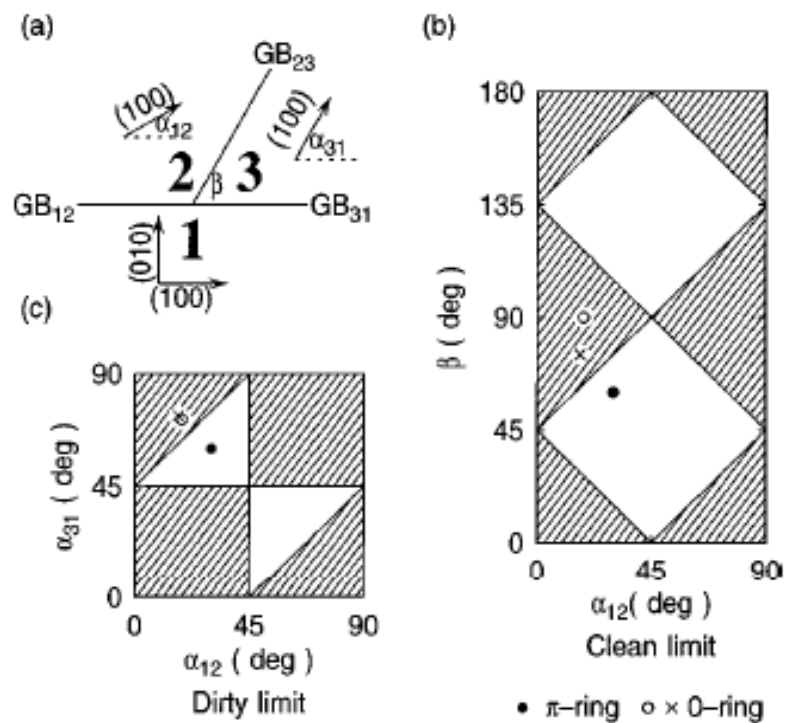
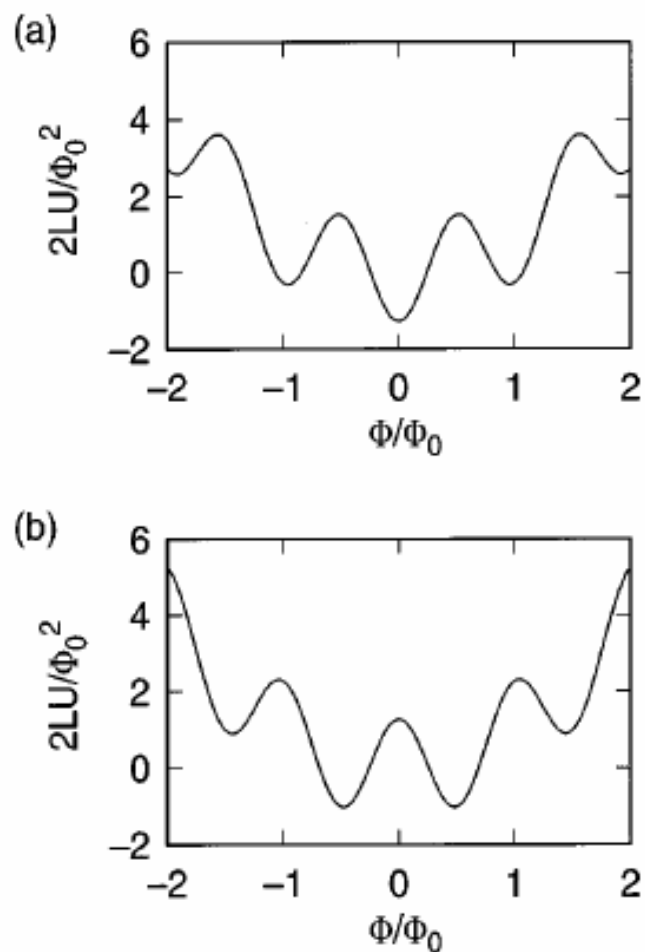


FIG. 7. Free energy of a superconducting ring with a single junction in different configurations, with zero external applied field [Eq. (36)]: (a) zero ring; (b)  $\pi$  ring. Here  $\gamma = 2\pi LI_c/\Phi_0 = 5$ .

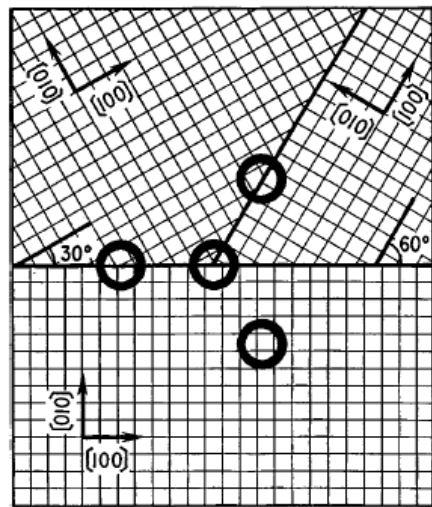
# Trapped Flux in a Tri-Crystal SQUID

Pairing symmetry in cuprate superconductors

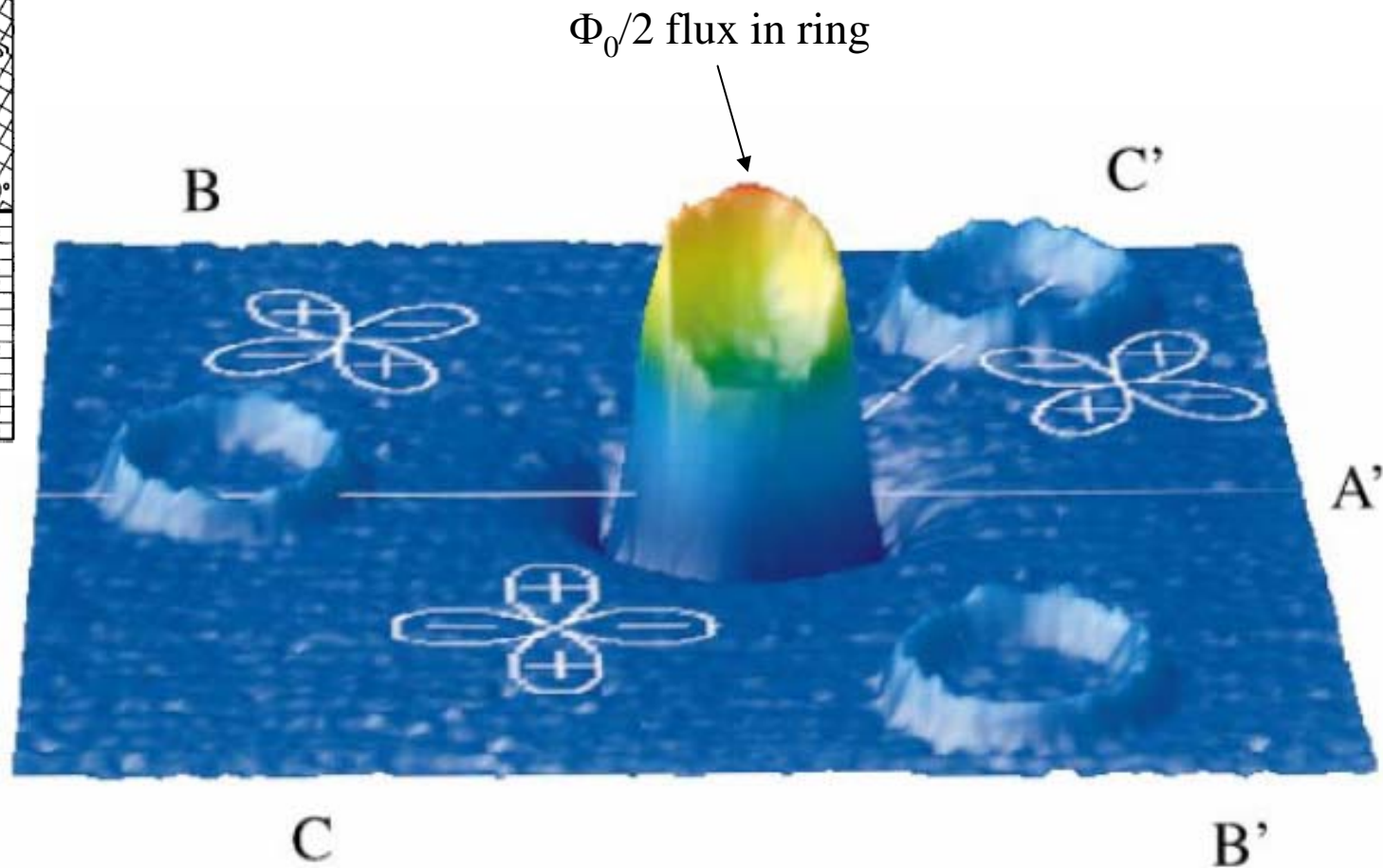
Reviews of Modern Physics, Vol. 72, No. 4, October 2000 969

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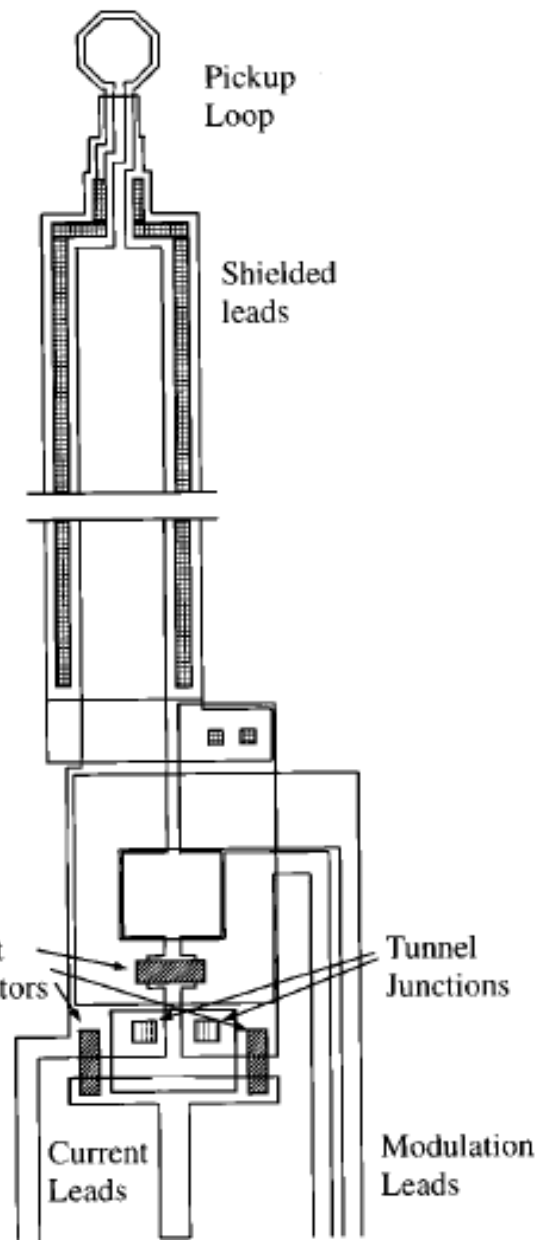
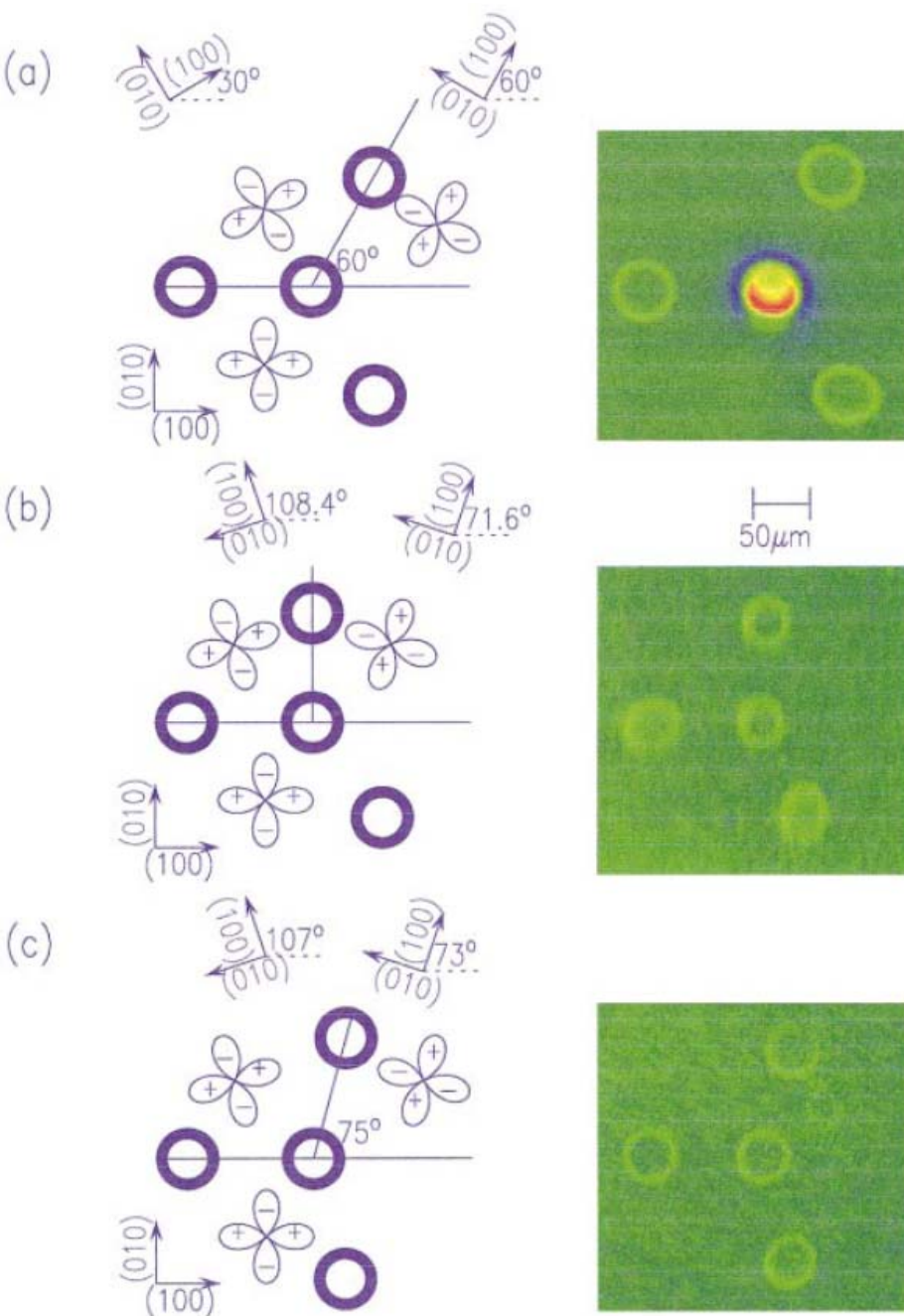
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A



# IBM Scanning SQUID Magnetometer



# Bi2212 tricrystal cooled in a field of $4 \mu\text{T}$ Imaged at 4.2 K

