## EFIT IS BEING IMPROVED TO ALLOW RECONSTRUCTION WITH OPEN MAGNETIC SURFACES

## • Force-free current

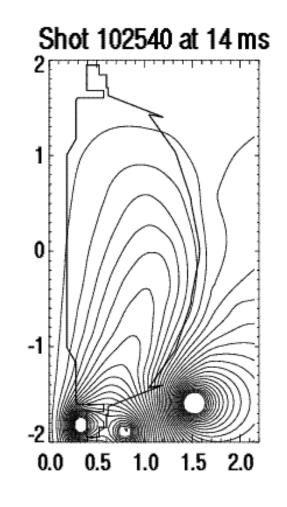
$${}^{*}\psi = -\mu_{0}RJ_{\varphi}(R,\psi)$$

$$\psi(\bar{r}) = \int_{j} G_{\psi}(\bar{r},\bar{r}_{ej})I_{ej} + dR dZ \quad G_{\psi}(\bar{r},\bar{r})J_{\varphi}\left[R,\psi(\bar{r},\psi)\right]$$

$$J_{\varphi} = \frac{\mu_{0}FF(\psi)}{4\pi^{2}R}$$

$$FF(\psi) = \int_{m} \gamma_{m}x^{m}, x = \frac{\psi - \psi_{num}}{\psi_{den} - \psi_{num}}$$

• Testing in progress



1 NSTX 2002