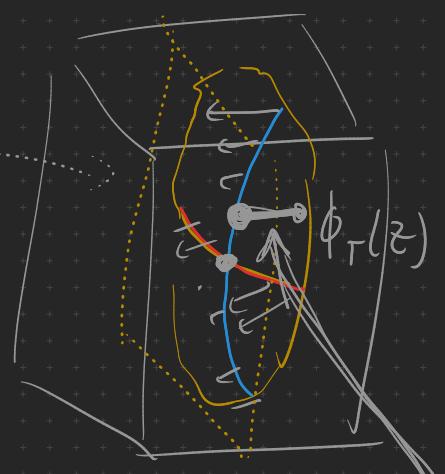


ϕ_T



$\tilde{f}(z)$ $T-T'$

$$\tilde{f}(u, v) = \left(A^+ u + \tilde{\alpha}^+(u, v), \right.$$

$$\left. A^- v + \tilde{\alpha}^-(u, v) \right)$$

$$\| \tilde{\alpha}^\pm \|_{C^1} < C^\epsilon \quad (A^+ u, A^- v) \quad (\tilde{\alpha}^+(u, v), \tilde{\alpha}^-(v, u))$$

$$\text{Let us write: } \tilde{f}(u, v) = L(u, v) + R(u, v)$$

hyp whisk

$\Rightarrow L - \underline{1}$ is invertible,

if ϵ is small

$\tilde{f}(z) = z \Rightarrow$ periodic orbit for ϕ_T

$$T-T' \in (-\epsilon, \epsilon)$$

$$\tilde{f}(z) = z = L(z) + R(z)$$

