RZ-simplified routine - convergence constraint='area' rad = 100n = 10 n = 50n = 1n = 2n = 5n = 100n = 200n = 500Z (m) -10 0 0 0 Z (m) 0 0 · 0 0 -R (m) R (m) vmax = 0.1 % 1e-5 10^{6} n = 1 10^{0} (E) 8 err (%) n = 2 10⁻⁵ n = 5 n = 10 10-10 n = 20 n = 50 1.2 100 0.2 0.4 0.8 1.0 10^{0} 10² 0.0 0.6 10¹

n

dist. to coil / radius

n = 100

n = 200

radius / dist. to coil