Atividades de Fixação - Sistemas Não Lineares  $x_{1}^{2} + x_{2}^{2} + x_{3}^{2} = 1$ 0.5 0.5 K=0 =>  $F(x_0) =$ -0,25 JXS 2 X2 ZXZ 4x, : W (x)= -1,75 -0,75 => M(X<sup>0</sup>)<sub>2</sub>= 0.375 0.525 0.125 0.05 0.35 -0.55 0.275 -0.175 250.0 0,84375  $X_1 = X_0 - W(X_0)$ 0,5375 0.36875 K= 1 => 0,1367369 FIX 0,2377344 0,3544922 0.2312065 0.0623577 0.0788939 0.0316965 0.3659802 -0. 1431 244 0.2934377 -0.1888 713 050L850.0

(tilibra)

 $x_i = x_j - w(x_i)^{-j} \cdot F(x_i) =$ 0.7693311 0.5306362 0.3635480 K=2 =>  $F(x_2) = 0.0056523$ 0.0111 235 0.0366342 W (x2) 0.0859637 0.7559809 0.0680216 0.3651180 0.1438029 0.0331453 0.2948677 -0.1894054 CL82550.0  $x_3 = X_2 - w(x_2)^{-1} \cdot F(x_2) =$ 0.7657097 0.5306073 0.3635351 K=3 => F(x3) = 0.0000 J32 0.0000 264 CCE0000.0 solução é aProximadamente X3 tilibra

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tilibra

K = 0 =) X1 = X0 - W(X0) - F(X0) = => I(x) = [-0.208333]0.793667 0.708333 1)21 w(x)-1-F(x)= [2,2916667 2,7916667 K=Z F(x2) = 7, 1052058,5 2,9201 391 -0.1802376 0.3197674 0.3197674 -6,1807326 (tilibra)

