

The phase portrait of equation (15), $a = 50, b = 25, f(x) = 1-x^3$ is depicted in Figure 3.

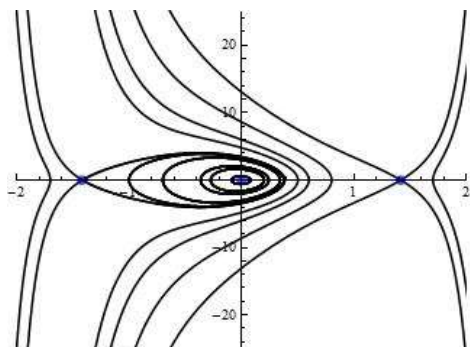


Fig. 3: The phase portrait of $x''+f(x)x'^2+(ax-bx^3)=0, a = 50, b = 25, f(x) = 1-x^3$.

The phase portrait of equation (15), $a = 50, b = 25, f(x) = e^x$ is depicted in Figure 4.

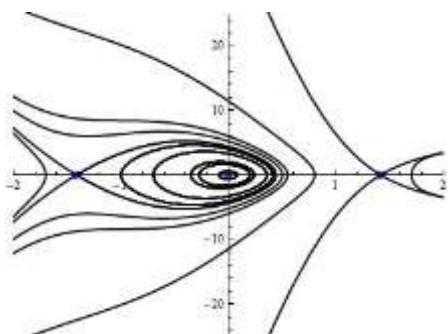


Fig. 4: The phase portrait of $x''+f(x)x'^2+(ax-bx^3)=0, a = 50, b = 25, f(x) = e^x$.

The phase portrait of equation (15), $a = 50, b = 25, f(x) = x$ is depicted in Figure 5.

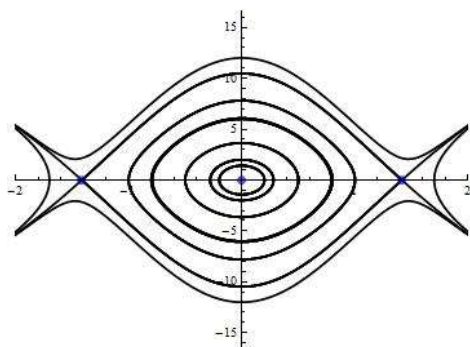


Fig. 5: The phase portrait of $x''+f(x)x'^2+(ax-bx^3)=0, a = 50, b = 25, f(x) = x$.

The phase portrait of equation (15), $a = 50, b = 25, f(x) = x^2$ is depicted in Figure 6.

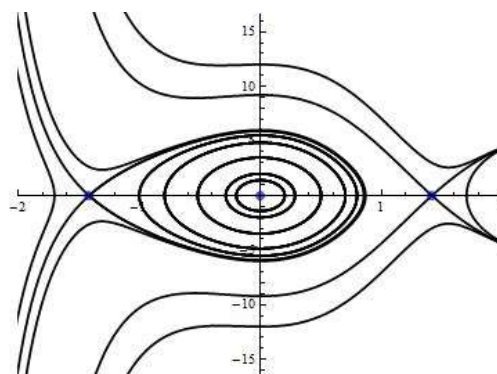


Fig. 6: The phase portrait of $x''+f(x)x'^2+(ax-bx^3)=0, a = 50, b = 25, f(x) = x^2$.

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