|  |  |
| --- | --- |
| ***Figure 12: Iterations Vs Initial Conditions for Example1*** | ***Figure 13: Time vs Initial Conditions for Example1*** |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-9-ivic.png | C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-10-ivic.png |

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| ***Table 2: Difference between determined NE and real NE (Learning Rate = 0.01, e = 0.000001*** |
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| --- |
| ***Figure 14: Convergence for u Vs Iteration number for Examples 2, 3, and 4*** |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\0--special-ucvi.png |

|  |  |
| --- | --- |
| Figure 4: Convergence for u Vs. Learning rate for Example1 | Figure 5: Convergence for u Vs. Convergence Error for Example1 |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-1-cva.png | C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-2-cve.png |
| Figure 6: Convergence for u Vs. Iteration for Example1 | Figure 7: Convergence for J Vs. Iteration for Example1 |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-3-ucvi.png | C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-4-jcvi.png |
| Figure 8: Iterations Vs. Learning Rate for Example1 | Figure 9: Iterations Vs. Convergence Error for Example1 |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-5-iva.png | C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-6-ive.png |
| Figure 10: Execution Time Vs. Learning Rate for Example1 | Figure 11: Execution Time Vs. Convergence Error for Example1 |
| C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-7-tva.png | C:\Users\Frank-Edward Nemeth\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1-8-tve.png |

= 0.000001

= 0.01

= 0.01

= 0.000001

= 0.01

= 0.000001

= 0.000001

= 0.01

= 0.000001

= 0.01