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Student ID: 305674731

Report – Numerical Optimization with Python (2024B)

Programming Assignment 02

GitHub: https://github.com/adidereviani/numerical_optimization_with_python_ex2

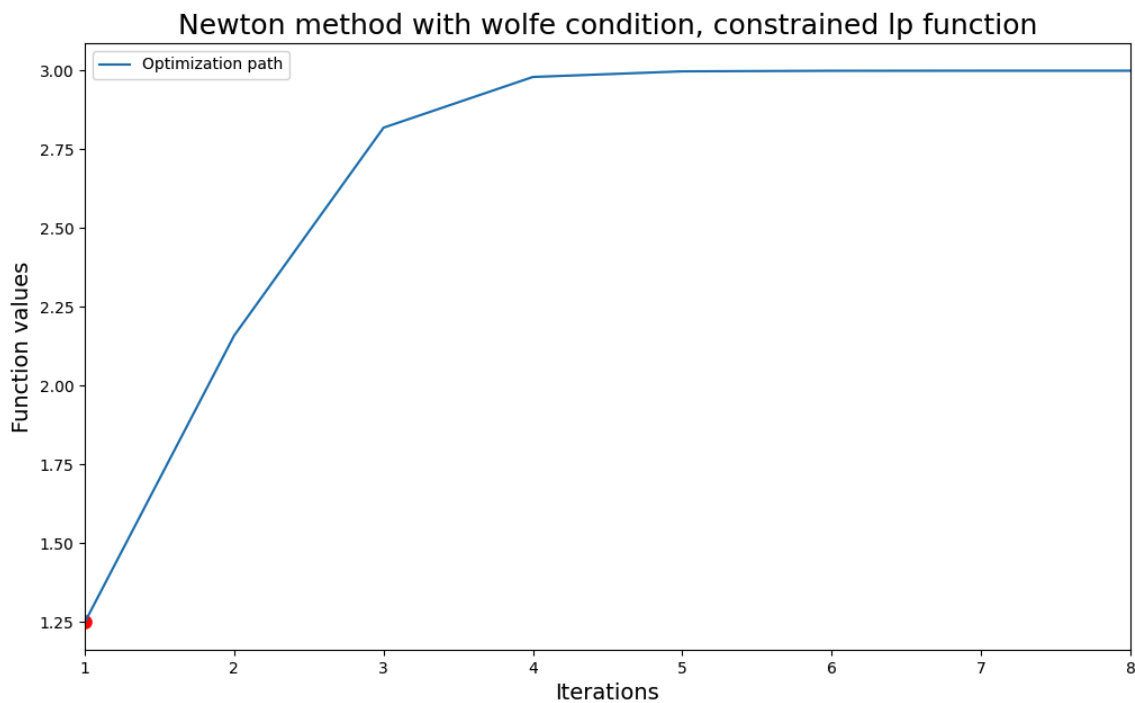
Function LP:

Outer iteration number 4:

Function location is: [1.9990005, 0.9990015]

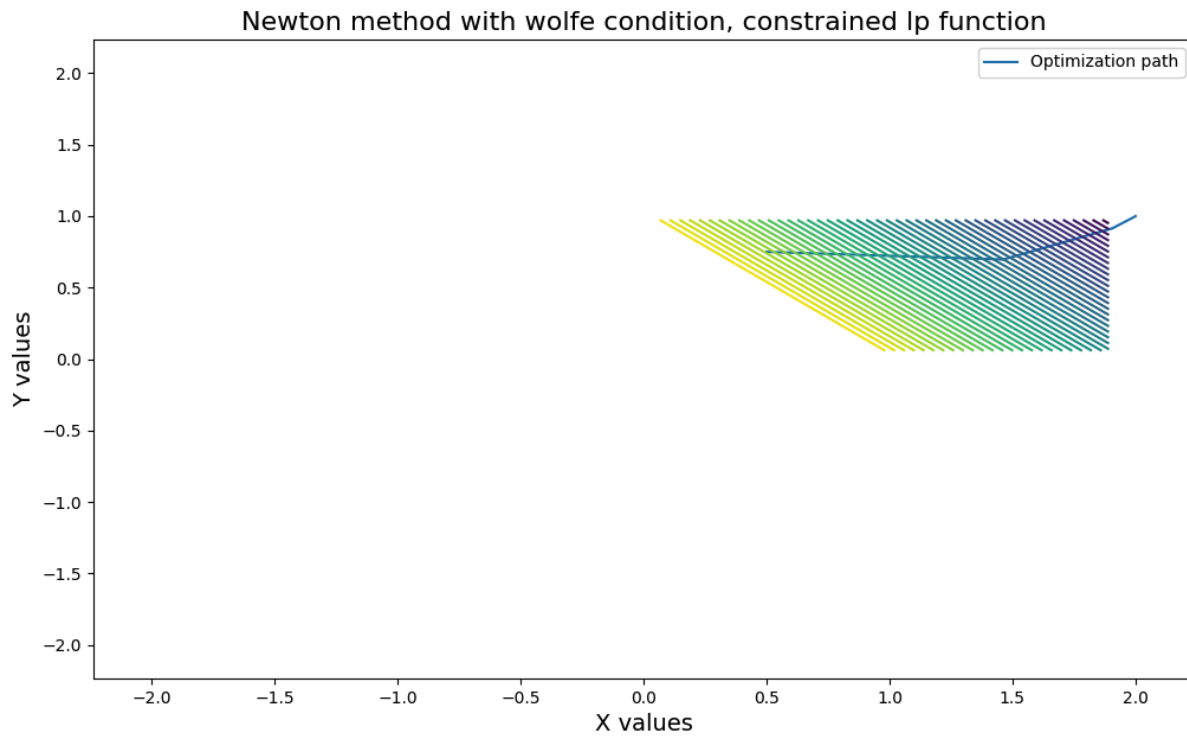
Function value is: 2.9980019995445364

Process status: Achieved numeric tolerance for successful termination

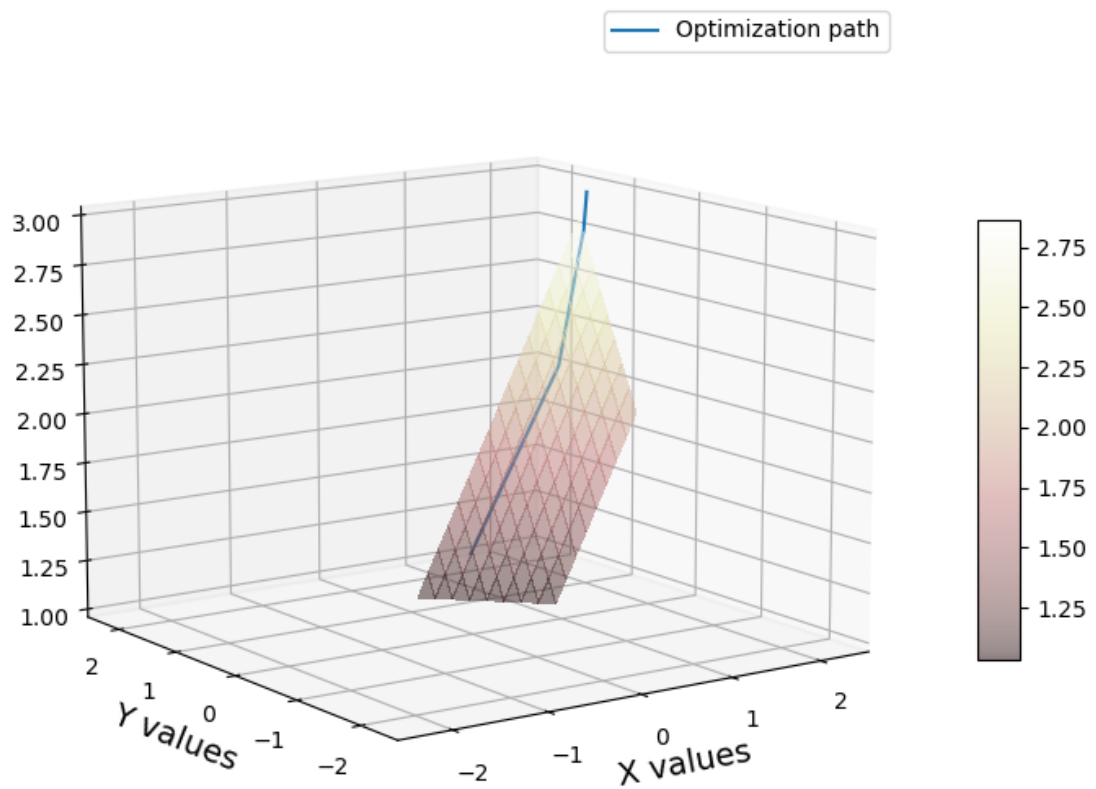


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Newton method with wolfe condition, constrained lp function



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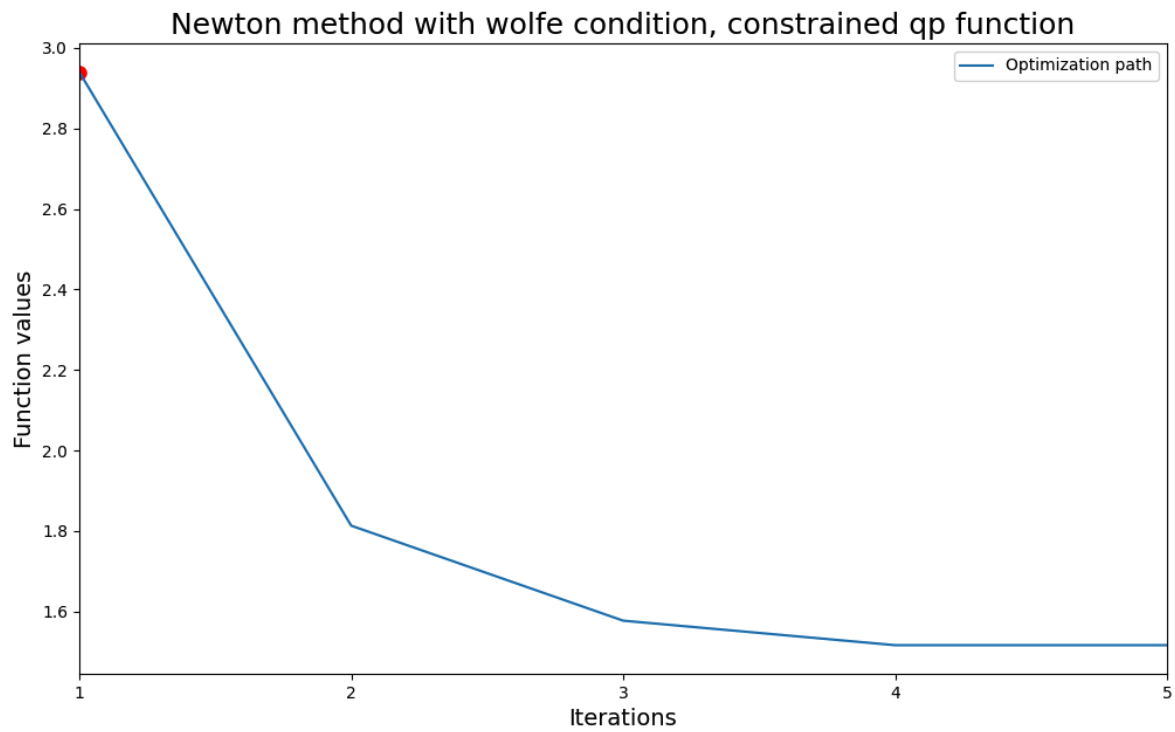
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Function QP:

Outer iteration number 4:

Function location is: [0.49950248, 0.49950248, 0.00099504] Function value is: 1.5009965227915731

Process status: Achieved numeric tolerance for successful termination



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