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Both `scipy.optimize.minimize_scalar()` and `scipy.optimize.minimize()` support bound constraints with the parameter `bounds`:
>>> `def f (x): return np . sqrt ((x [0] - 3) ** 2 + (x [1] - 2) ** 2)`

2.7. Mathematical optimization: finding minima of ...

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ADMM: Fast Alternating Direction Optimization Methods; Consensus ADMM: Distributed Optimization and Statistical

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