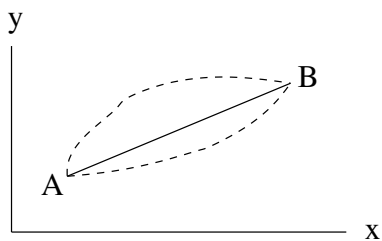


[mex26] Shortest path between two points in a plane I

Use the calculus of variation to prove that the shortest path between two points A and B in the (x, y) -plane is a straight line $y(x) = ax + b$.



Solution: