





EXAMPLES :

(CONVEX) QUADRATIC PROGRAMMING



A is positive semidefinite where

> LINEAR CLASSIFICATION



HOW TO RECOGNIZE A CONVEX FUNCTION?

· BY DEFINITION

OFTEN, BY CONSTRUCTION RULES

(SUMS, MAXIMUM, ETC.)



"DISCIPLINED CONVEX PROGRAMMING"

JULIA'S CONVEX.JL

ALTERNATIVELY, CHARACTERIZATIONS.

BASED ON DERIVATIVES











QUESTIONS

DOES THIS WORK!

HOW QUICKLY DOES IT CONVERSE?

(if it does)

HOW TO CHOOSE STEPSIZE ((does it matter?)

JS THIS METHOD 600D .

ARE THERE BETTER ONES







NEXT TIME

What happens in The general

F(×)

(couver) case?

Better methods ?

