

Optimization

cdh]a"gi f f`O!` Zi bWh] cbflZž` b] b] hž` ghcdž` hc` 1%!(Ł`
`o`
` ` ` ` L` O!` ` fUbXca@<Gflb] b] hž` ` &Ł`
` ` ` ` m` O!` ` ZflLŁ`
` ` ` ` [d]` ` O!` ` bYk; DgYdfILž` ` mž` ` X1\$"%ž` ` [1%! +ž` ` X?1HFI 9

- which basically revisited Mockus' Bayesian optimization idea from a Gaussian process and computer experiments perspective.

He came up with a heuristic called **expected improvement (EI)**

gc`bg`O!`9="gYUfWfl

Encapsulating function

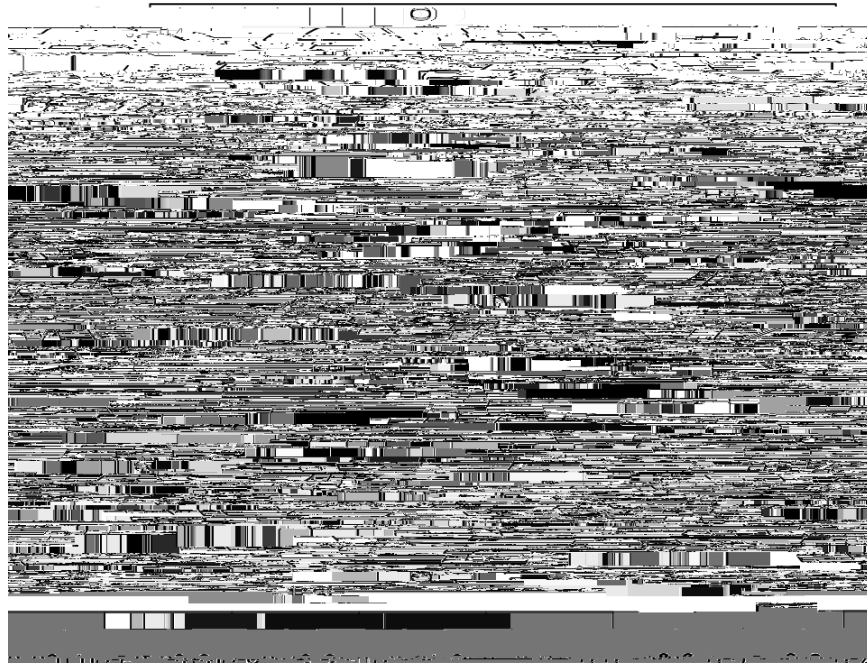
```
cdh] a" 9= `
```


- where two non-linear constraints are given by

Even when treating

- serves as a Lagrange multiplier

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Other demos

For further comparison with `cdh] a` directly on the AL,

- see `XYacfl"5@Z\Uh"Ł` in the ``U; D` package.

Two other demos show a mixed constraints setup

- A 2d problem (`" ; G6D"`) involving

