
pyLPi Documentation

Release 0

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Contents

1 Indices and tables	3
Python Module Index	5

Linear Programming interface based on PPL

```
class lpi.C_Polyhedron(constraint_system=None, dim=-1)

    add_constraint(constraint)
    add_constraint_system(constraint_system)
    add_constraints(constraints)
    add_dimensions(dim)
    contains(other)
    contains_integer_point()
    expand_space_dimension(var, m)
    extrapolation_assign(other, cs, tp=0, limited=False)
    get_constraints(use_z3=False)
    get_dimension()
    get_generators()
    get_integer_point()
    get_point(use_z3=False)
    get_relative_interior_point(variables=None)
    int_maximize(something)
    int_minimize(something)
    intersection_assign(other)
    is_bounded()
    is_disjoint_from(polyhedron)
    is_empty()
    is_implied(constraint)
    is_sat()
    maximize(expression)
    minimize(expression)
    minimized_constraints()
    poly_hull_assign(other)
    remove_dimensions(var_set)
    toString(vars_name=None, eq_symb='==', geq_symb='>=')
    unconstraint(var)
    upper_bound_assign(other)
    widening_assign(other, tp=0)
```


CHAPTER 1

Indices and tables

- genindex
- modindex
- search

Python Module Index

|

lpi, [1](#)

Index

A

add_constraint() (lpi.C_Polyhedron method), 1
add_constraint_system() (lpi.C_Polyhedron method), 1
add_constraints() (lpi.C_Polyhedron method), 1
add_dimensions() (lpi.C_Polyhedron method), 1

C

C_Polyhedron (class in lpi), 1
contains() (lpi.C_Polyhedron method), 1
contains_integer_point() (lpi.C_Polyhedron method), 1

E

expand_space_dimension() (lpi.C_Polyhedron method),
1
extrapolation_assign() (lpi.C_Polyhedron method), 1

G

get_constraints() (lpi.C_Polyhedron method), 1
get_dimension() (lpi.C_Polyhedron method), 1
get_generators() (lpi.C_Polyhedron method), 1
get_integer_point() (lpi.C_Polyhedron method), 1
get_point() (lpi.C_Polyhedron method), 1
get_relative_interior_point() (lpi.C_Polyhedron method),
1

I

int_maximize() (lpi.C_Polyhedron method), 1
int_minimize() (lpi.C_Polyhedron method), 1
intersection_assign() (lpi.C_Polyhedron method), 1
is_bounded() (lpi.C_Polyhedron method), 1
is_disjoint_from() (lpi.C_Polyhedron method), 1
is_empty() (lpi.C_Polyhedron method), 1
is_implied() (lpi.C_Polyhedron method), 1
is_sat() (lpi.C_Polyhedron method), 1

L

lpi (module), 1

M

maximize() (lpi.C_Polyhedron method), 1
minimize() (lpi.C_Polyhedron method), 1
minimized_constraints() (lpi.C_Polyhedron method), 1

P

poly_hull_assign() (lpi.C_Polyhedron method), 1

R

remove_dimensions() (lpi.C_Polyhedron method), 1

T

toString() (lpi.C_Polyhedron method), 1

U

unconstraint() (lpi.C_Polyhedron method), 1
upper_bound_assign() (lpi.C_Polyhedron method), 1

W

widening_assign() (lpi.C_Polyhedron method), 1