

plucker

Edition : auto generated by oxgentexi on 1 May 2025

1 Plucker

1.0.1 plucker

$(m+1) \times n . i_1, \dots, i_m, j_k p_{i_1 \dots i_m j_k}$, Plücker

$$\sum_{k=0}^{m+1} (-1)^k p_{i_1 \dots i_m j_k} p_{j_0 \dots \hat{j}_k \dots j_{m+1}} = 0$$

. , Plücker .

1.0.2 plucker_relation

plucker_relation(L, M)

:: Index L, M Plücker .

return quote

L

M

- L , Plucker i_1, \dots, i_m, M , Plucker j_0, \dots, j_{m+1} .

```
[297] A = plucker_relation([1,2],[3,4,5,6]);
quote(y_1_2_3*y_4_5_6-y_1_2_4*y_3_5_6+y_1_2_5*y_3_4_6-y_1_2_6*y_3_4_5)
[298] eval_str(print_terminal_form(A));
y_4_5_6*y_1_2_3-y_3_5_6*y_1_2_4+y_3_4_6*y_1_2_5-y_3_4_5*y_1_2_6
```

1.0.3 plucker_y

plucker_y(L)

:: Index L .

return

L

- Index L .

```
[297] plucker_y([1,2,3]);
y_1_2_3
```

```
[298] plucker_y([2,1,3]);
-y_1_2_3
```

1.0.4 plucker_index

plucker_index(V)

: It gets the index of the variable V .

Example:

```
plucker_index(plucker_y([1,2,3]));
```

Index

(Index is nonexistent)

(Index is nonexistent)

Short Contents

1	Plucker	1
	Index	2

Table of Contents

1	Plucker	1
1.0.1	plucker	1
1.0.2	plucker_relation	1
1.0.3	plucker_y	1
1.0.4	plucker_index	1
Index		2

