

# pluck

---

Edition : auto generated by oxgentexi on 2 July 2025

OpenXM.org

---

# 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 Plucker .

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

<b>1</b>	<b>Plucker</b>	<b>1</b>
1.0.1	plucker	1
1.0.2	plucker_relation	1
1.0.3	plucker_y	1
1.0.4	plucker_index	1
<b>Index</b>		<b>2</b>

