

**pluck**er ♪

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# 1 Plucker 縹

## 1.0.1 plucker

$(m+1) \times n$  箇.  $i_1, \dots, i_m, j_k$  鴻 や c 罩 f 壕縹  $p_{i_1 \dots i_m j_k}$  吾 , Plucker 縹

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

吾. 宴若吾 , Plucker 縹宴 違箴.

## 1.0.2 plucker\_relation

```
plucker_relation(L,M)
    :: Index L, M 縹 Plucker 縹祉.

return quote
L 鴻
M 鴻
• L , Plucker 縹  $i_1, \dots, i_m$  , M , Plucker 縹  $j_0, \dots, j_{m+1}$  箴.
[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 縹 綽紊違祉.

return 紊
L 鴻
• Index L 純若. 膾 激 膊.
[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)

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