

TensorField
 T

dictionary **TensorField._restrictions**

Domain 1:
 U_1

TensorFieldParal

$$T|_{U_1} = T_b^a e_a \otimes e^b = T_{\hat{b}}^{\hat{a}} \epsilon_{\hat{a}} \otimes \epsilon^{\hat{b}} = \dots$$

Domain 2:
 U_2

TensorFieldParal

$$T|_{U_2}$$

...

dictionary **TensorField._components**

Frame 1:
 (e_a)

Components

$$(T_b^a)_{1 \leq a, b \leq n}$$

Frame 2:
 $(\epsilon_{\hat{a}})$

Components

$$(T_{\hat{b}}^{\hat{a}})_{1 \leq \hat{a}, \hat{b} \leq n}$$

...

dictionary **Components._comp**

$(1, 1) :$

ScalarField
 (T_1^1)

$(1, 2) :$

ScalarField
 (T_2^1)

...

dictionary **ScalarField._express**

Chart 1:
 (x^a)

FunctionChart

$$T_1^1(x^1, \dots, x^n)$$

Chart 2:
 (y^a)

FunctionChart

$$T_1^1(y^1, \dots, y^n)$$

...

Expression
 $x^1 \cos x^2$

Expression
 $(y^1 + y^2) \cos(y^1 - y^2)$