

TensorField
 T

dictionary **TensorField._restrictions**

domain 1:
 U_1

TensorFieldParal

$$T|_{U_1} = T^a_b e_a \otimes e^b = T^{\hat{a}}_{\hat{b}} \varepsilon_{\hat{a}} \otimes \varepsilon^{\hat{b}} = \dots$$

domain 2:
 U_2

TensorFieldParal

$$T|_{U_2}$$

...

dictionary **TensorFieldParal._components**

frame 1:
 (e_a)

Components

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

frame 2:
 $(\varepsilon_{\hat{a}})$

Components

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

...

dictionary **Components._comp**

$(1, 1) :$

ScalarField

$$T^1_1$$

$(1, 2) :$

ScalarField

$$T^1_2$$

...

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

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