

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**

$(1, 1) :$

DiffScalarField

$$T^1_1$$

$(1, 2) :$

DiffScalarField

$$T^1_2$$

...

dictionary **DiffScalarField.\_express**

chart 1:

$(x^a)$

CoordFunction

$$T^1_1(x^1, \dots, x^n)$$

chart 2:

$(y^a)$

CoordFunction

$$T^1_1(y^1, \dots, y^n)$$

...

Expression

$$x^1 \cos x^2$$

Expression

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