

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