

Tenseurs usuels d'ordre ≤ 2 (récapitulatif)

type	tenseur	1ère base	coeff. 1	2ème base	coeff. 2	rel. bases	rel. coeff.
$T^{0,0} = \mathbf{K}$	λ	1	λ	1	λ	$1 = 1$	$\lambda = \lambda$
$T^{1,0}(X) = X$	x	(e)	$(e)U = u^i e_i$	(f)	$(f)V = v^i f_i$	$(f) = (e)P$	$V = P^{-1}U$
$T^{0,1}(X) = X^*$	ξ	(ϵ)	$M(\epsilon) = \mu_i \epsilon^i$	(φ)	$N(\varphi) = \nu_i \varphi^i$	$(\epsilon) = P(\varphi)$	$N = MP$
$T^{1,1}(X) = \mathcal{L}(X)$	r	$e_i \otimes e^j$	a_j^i	$f_i \otimes \varphi^j$	b_j^i	$e_i \otimes e^j = q_i^k (f_k \otimes \varphi^j) p_j^l$	$B = P^{-1}AP$
$T^{0,2}(X) = \mathcal{B}(X, \mathbf{K})$	s	$\epsilon^i \otimes \epsilon^j$	c_{ij}	$\varphi^i \otimes \varphi^j$	d_{ij}	$\epsilon^i \otimes \epsilon^j = p_k^i (\varphi^k \otimes \varphi^l) p_l^j$	$D = {}^t PCP$