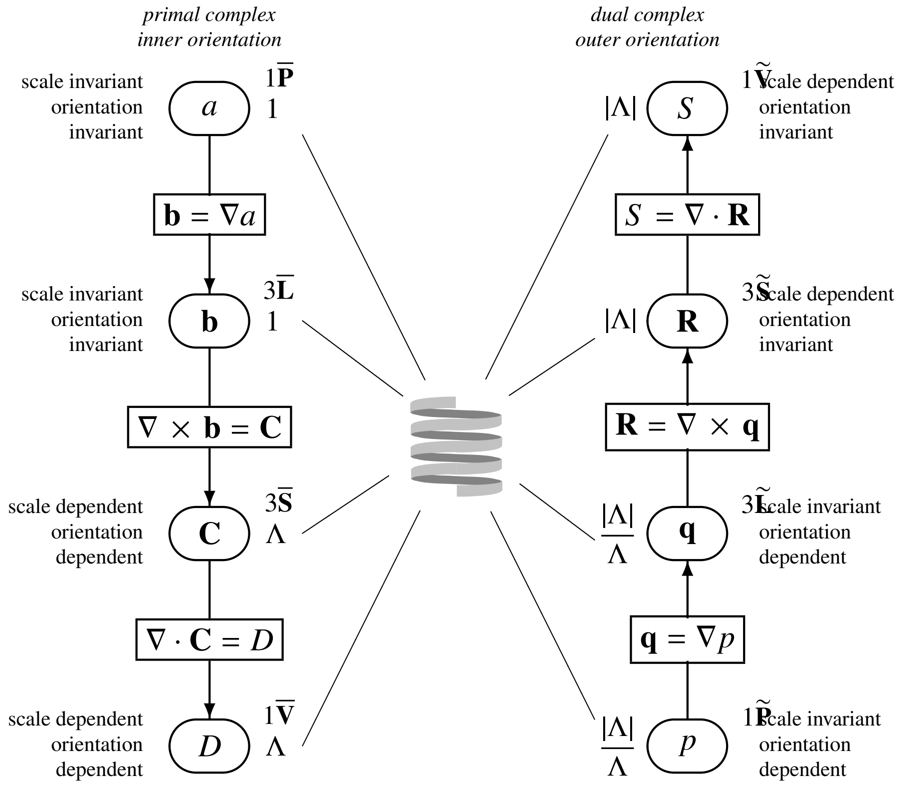
Standard columns in 3D

tensorial behaviour



$$\bar{\mathbf{e}}_h = \lambda_h^k\,\mathbf{e}_k \qquad \Lambda = \det\|\lambda_h^k\|$$

the screw rule implies the product by $\dfrac{|\Lambda|}{\Lambda}$

$\overline{a}$	=	a	*scalar*	$\overline{S}$	=	$\lvert\Lambda\rvert\, S$	*ordinary scalar density*
$\overline{b}_j$	=	$\lambda_j^h\, b_h$	*vector (covariant)*	$\overline{R}^j$	=	$\lvert\Lambda\rvert\, \Lambda_h^j R^h$	*ordinary vector density (controvariant)*
$\overline{C}^j$	=	$\Lambda\, \Lambda_k^j\, C^k$	*(axial) vector density (controvariant)*	$\overline{q}_j$	=	$\dfrac{\lvert\Lambda\rvert}{\Lambda}\, \lambda_j^k q_k$	*axial vector (covariant)*
$\overline{D}$	=	$\Lambda\, D$	*(axial) scalar density*	$\overline{p}$	=	$\dfrac{\lvert\Lambda\rvert}{\Lambda}\, p$	*axial scalar*