stratifica stabilizer variety base point		B-orbit	$B \times B$ -orbit	G-orbit	Remark
$\mathcal{F}$	$\mathcal{F}  imes \mathcal{F}$	$\Omega_g$	$\Omega_{g,g'}$	$\Omega_{g'}$	
$F_g$	$(F_g, F_{gg'})$	$B \cap gBg^{-1}$	$(B \cap gBg^{-1}) \times (B \cap g'Bg'^{-1})$	$gBg^{-1} \cap gg'B(gg')^{-1}$	
$\mathcal{F}_{ \mathbf{d} }$	$\mathcal{F}_{ \mathbf{d} }  imes \mathcal{F}_{ \mathbf{d} }$	$\mathcal{V}_{arpi}$	${\cal V}_{arpi,arpi'}$	${\cal V}_{\varpi'}$	
$F_{\varpi}$	$(F_{\varpi}, F_{\varpi\varpi'})$	$\mathbb{B}_{ \mathbf{d} }\cap\mathbb{B}_{arpi}$	$\left(\mathbb{B}_{ \mathbf{d} }\cap\mathbb{B}_{arpi} ight) imes\left(\mathbb{B}_{ \mathbf{d} }\cap\mathbb{B}_{arpi'} ight)$	$\mathbb{B}_{arpi} \cap \mathbb{B}_{arpi arpi'}$	
$\mathcal{F}_u$	$\mathcal{F}_u  imes \mathcal{F}_{u'}$	$\Omega_w^u$	$\boldsymbol{\Omega}_{w,w'}^{u,u'}$	$\boldsymbol{\Omega}_{w'}^{u,u'}$	
$F_{wu}$	$(F_{wu}, F_{ww'u'})$	$B_{\mathbf{d}} \cap B_w$	$(B_{\mathbf{d}} \cap B_w) \times (B_{\mathbf{d}} \cap B_{w'})$	$B_w \cap B_{ww'}$	
$\mathcal{F}_{\mathbf{d}}$	$\mathcal{F}_{\mathbf{d}}  imes \mathcal{F}_{\mathbf{d}}$	$\Omega_w^u$	$\mathbf{\Omega}^{u, ilde{u}}_{w, ilde{w}}$	${\cal O}^u_{\varpi'}=\Omega^{u, ilde u}_{ ilde w}$	
$F_{\varpi}$	$(F_{\varpi}, F_{\varpi\varpi'})$	$B_{\mathbf{d}} \cap B_w$	$(B_{\mathbf{d}} \cap B_w) \times (B_{\mathbf{d}} \cap B_{\tilde{w}})$	$B_w \cap B_{w\tilde{w}}$	
$F_{wu}$	$(F_{wu}, F_{w\tilde{w}\tilde{u}})$				
The following may not be single orbit, but derived from the above definition.					
$\mathcal{F}_{\mathbf{d}}$	$\mathcal{F}_{\mathbf{d}}  imes \mathcal{F}_{\mathbf{d}}$	$\mathcal{O}_{arpi}$	${\cal O}_{\varpi,\varpi'}$	${\cal O}_{arpi'}$	preimage of
$F_{\varpi}$	$(F_{\varpi}, F_{\varpi\varpi'})$	$\Omega_w^u$	$oldsymbol{\Omega}^{u, ilde{u}}_{w, ilde{w}}$	$\sqcup_u {\cal O}^u_{\varpi'}$	$\mathcal{F}_{\mathbf{d}}  imes \mathcal{F}_{\mathbf{d}} \hookrightarrow \mathcal{F}_{ \mathbf{d} }  imes \mathcal{F}_{ \mathbf{d} }$
$\widetilde{\operatorname{Rep}}_{\operatorname{\underline{\bf d}}}(Q)$	$\mathcal{Z}_{\mathbf{d},\mathbf{d}'}$	$\widetilde{\Omega}_w^u$	$\widetilde{m{\Omega}}_{w,w'}^{u,u'}$	$\widetilde{m{\Omega}}_{w'}^{u,u'}$	preimage of
$F_{wu}$	$(F_{wu}, F_{ww'u'})$				$\mathcal{Z}_{\underline{\mathbf{d}},\underline{\mathbf{d}}'} \hookrightarrow \mathcal{F}_{\underline{\mathbf{d}}}  imes \mathcal{F}_{\underline{\mathbf{d}}'}$
$\widetilde{\operatorname{Rep}}_{\mathbf{d}}(Q)$	${\mathcal Z}_{\mathbf d}$	$\widetilde{\Omega}_w^u$	$\widetilde{\Omega}_{w, ilde{w}}^{u, ilde{u}}$	$\widetilde{\mathcal{O}}^u_{arpi'} = \widetilde{\Omega}^{u, ilde{u}}_{ ilde{w}}$	preimage of
$F_{\varpi}$	$(F_{\varpi}, F_{\varpi\varpi'})$				${\mathcal Z}_{\mathbf d} \hookrightarrow {\mathcal F}_{\mathbf d}  imes {\mathcal F}_{\mathbf d}$
$\widetilde{\operatorname{Rep}}_{\mathbf{d}}(Q)$	${\mathcal Z}_{\mathbf{d}}$	$\widetilde{\mathcal{O}}_{arpi}$	$\widetilde{\mathcal{O}}_{arpi,arpi'}$	$\widetilde{\mathcal{O}}_{arpi'}$	preimage of
$F_{\varpi}$	$(F_{\varpi}, F_{\varpi\varpi'})$	$\widetilde{\Omega}_w^u$	$\widetilde{\Omega}_{w, ilde{w}}^{u, ilde{u}}$	$\sqcup_u \widetilde{\mathcal{O}}^u_{\varpi'}$	${\mathcal Z}_{\mathbf d}\hookrightarrow {\mathcal F}_{\mathbf d} imes {\mathcal F}_{\mathbf d}$