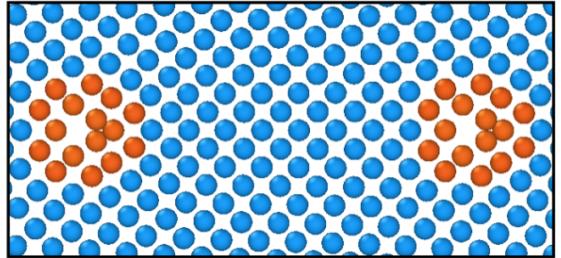


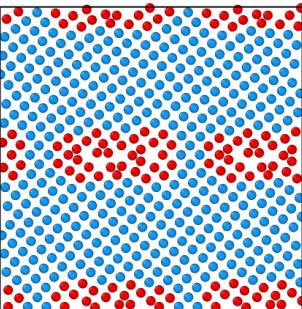
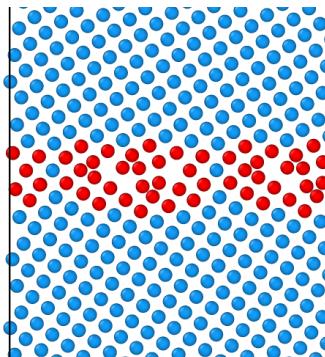
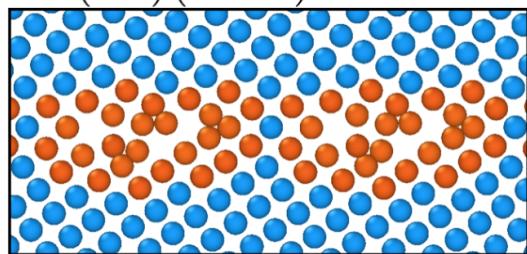
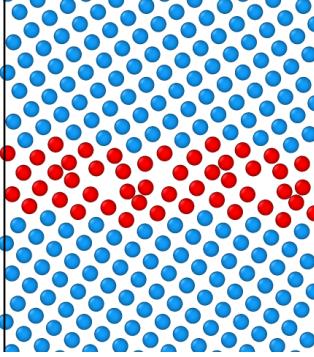
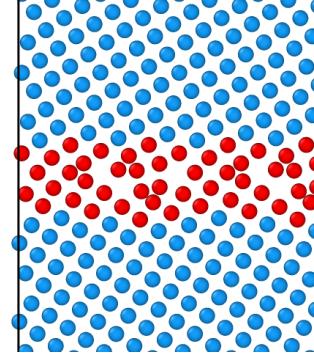
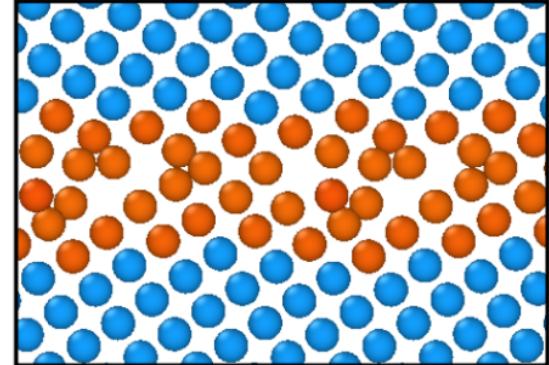
GB Structure and Energies using SW and TF potential

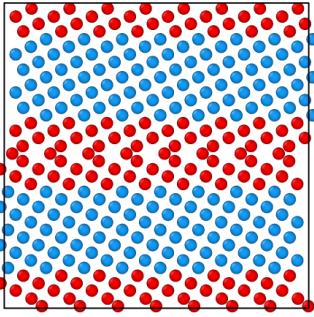
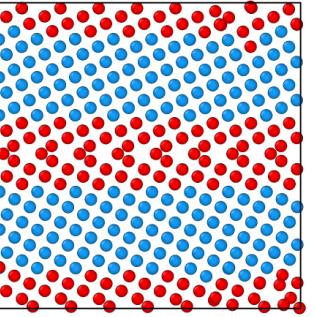
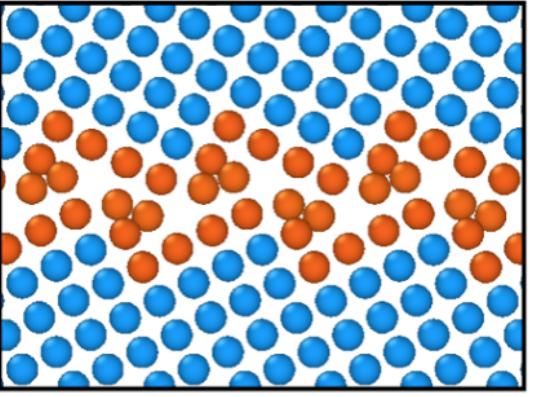
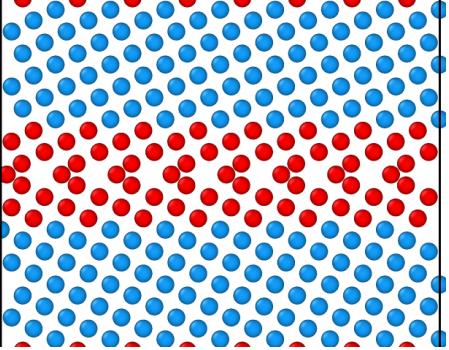
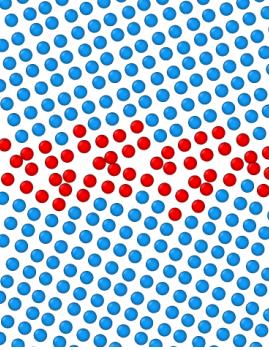
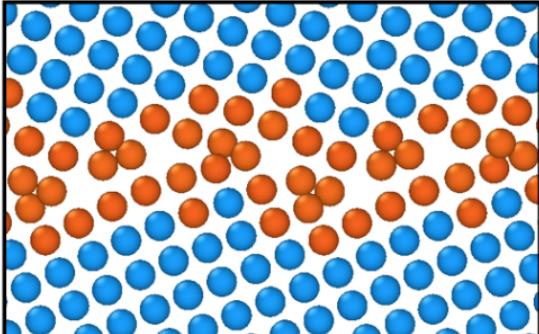
- More accurate structures 12/31 were only included in this report

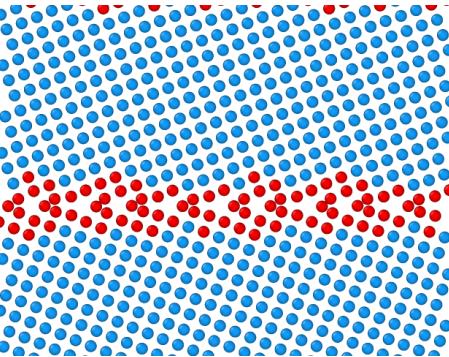
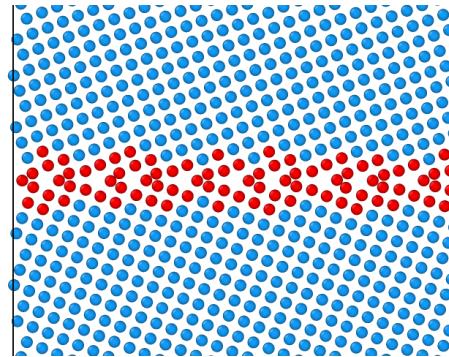
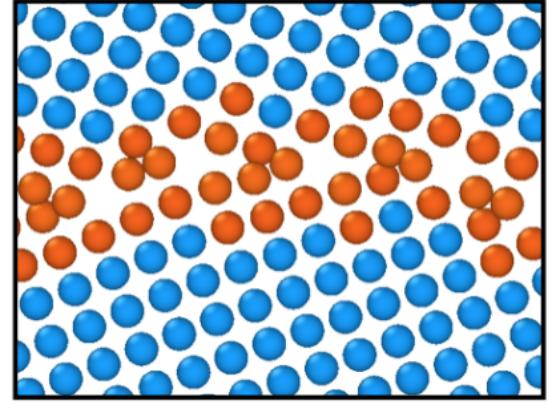
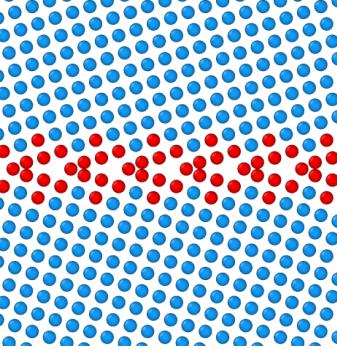
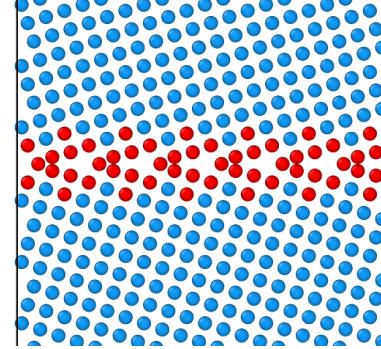
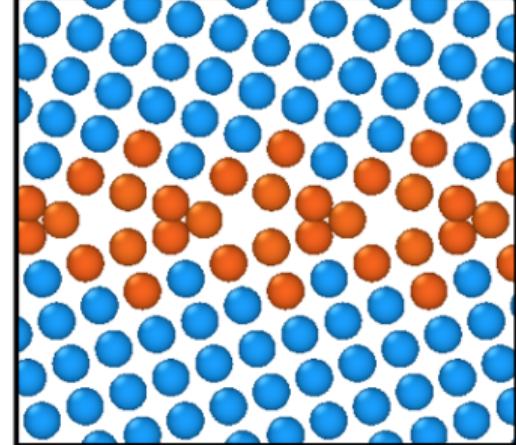
[google-sheet](#)

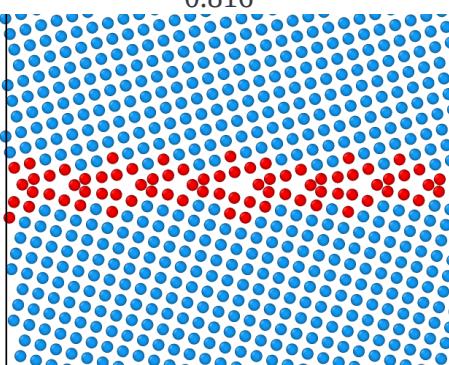
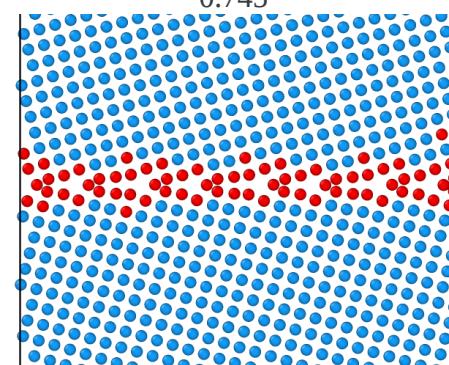
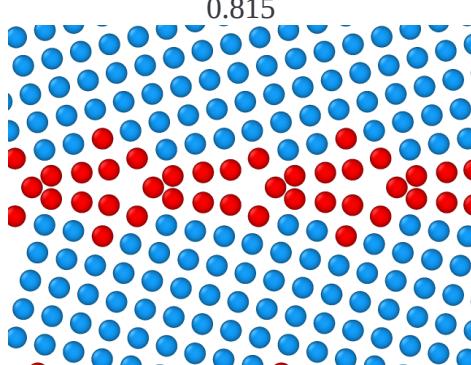
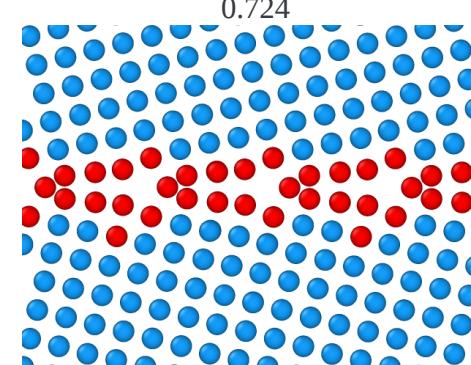
TF Potential

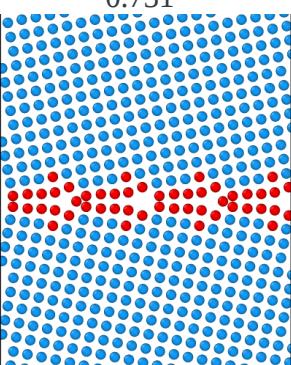
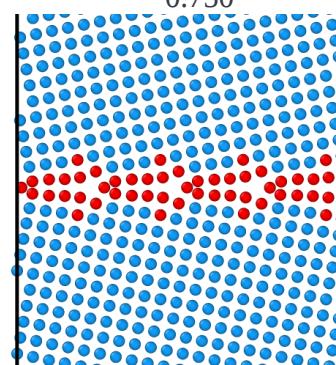
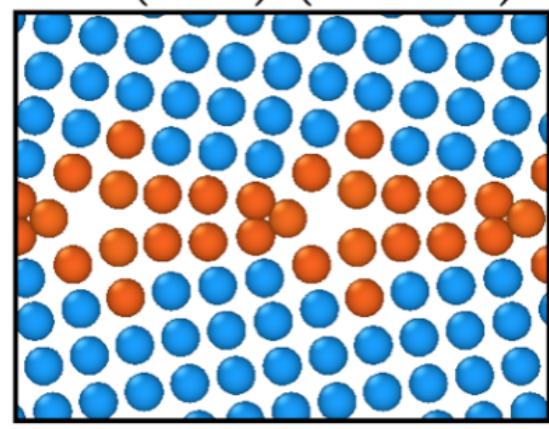
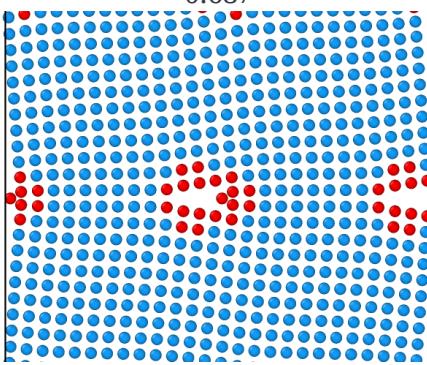
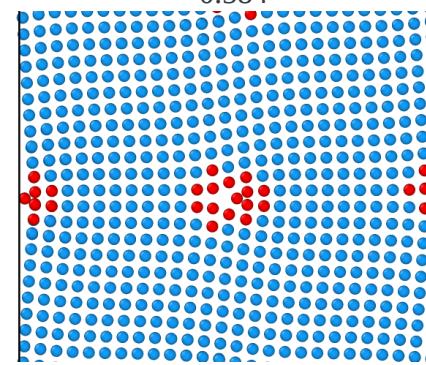
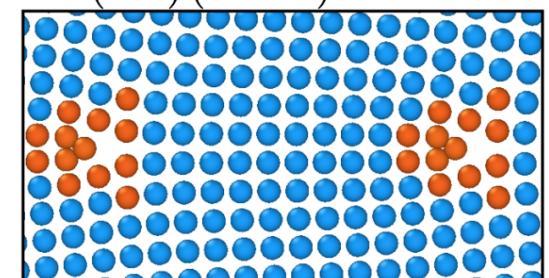
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
5	$\Sigma 401$	5.725	0.765	0.66	0.64 $\Sigma 401$ (2010) (5.725°) 

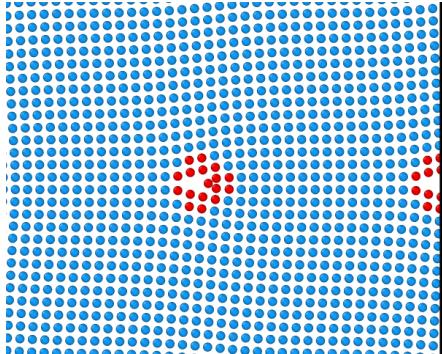
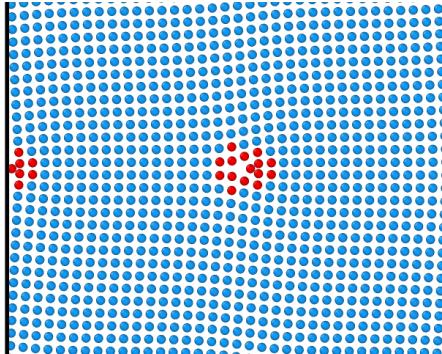
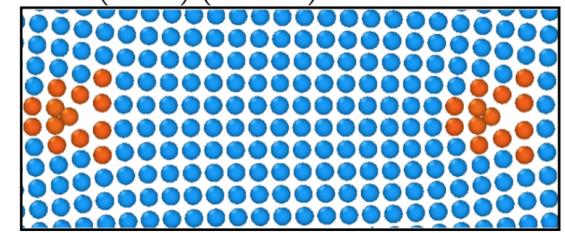
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
9	$\Sigma 37$	18.93	0.765 	0.736 	0.778 $\Sigma 37(610) (18.93^\circ)$ 
10	$\Sigma 13$	22.62	0.883 	0.734 	0.74 $\Sigma 13(510) (22.62^\circ)$ 

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
14	$\Sigma 5$	36.87	<p style="text-align: center;">0.642</p> 	<p style="text-align: center;">0.658</p> 	<p style="text-align: center;">0.54</p> <p>$\Sigma 5(310) (36.87^\circ)$</p> 
16	$\Sigma 29$	43.6	<p style="text-align: center;">0.708</p> 	<p style="text-align: center;">0.705</p> 	<p style="text-align: center;">0.66</p> <p>$\Sigma 29(520) (43.60^\circ)$</p> 

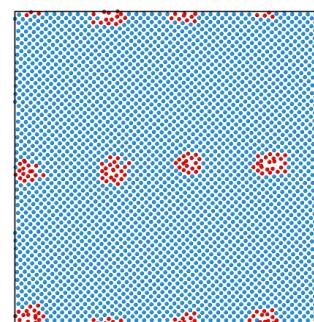
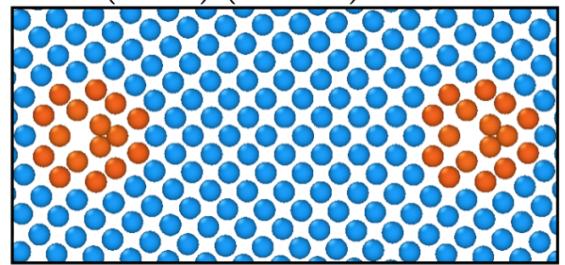
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
17	$\Sigma 97$	47.93	 0.715	 0.717	0.67 $\Sigma 97(940) (47.93^\circ)$ 
19	$\Sigma 5$	53.13	 0.553	 0.567	0.55 $\Sigma 5(210) (53.13^\circ)$ 

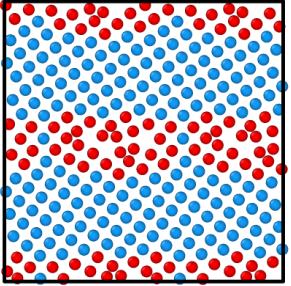
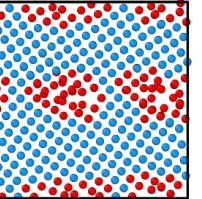
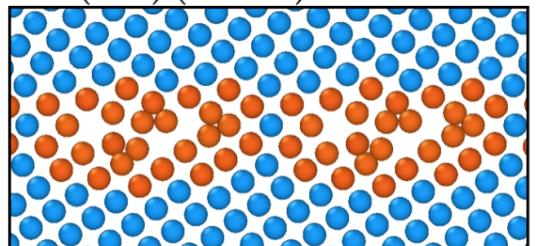
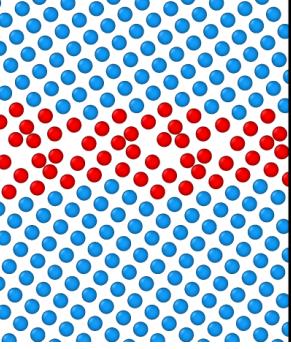
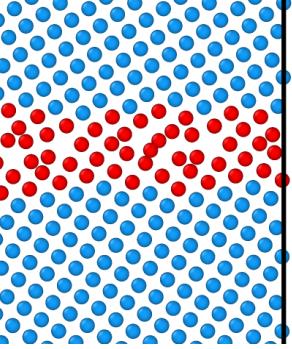
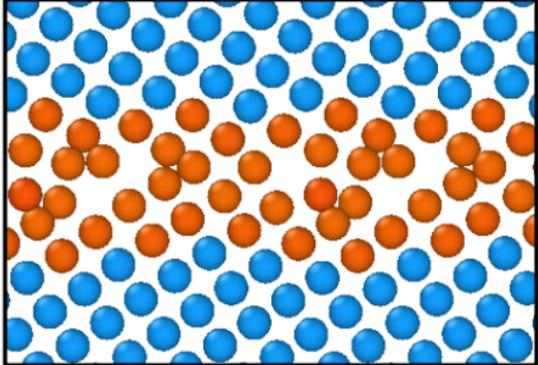
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
21	$\Sigma 53$	58.11	 0.816	 0.745	$\Sigma 53(950) (58.11^\circ)$ 0.71
22	$\Sigma 17$	61.92	 0.815	 0.724	$\Sigma 17(530) (61.92^\circ)$ 0.72

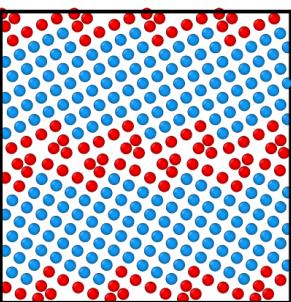
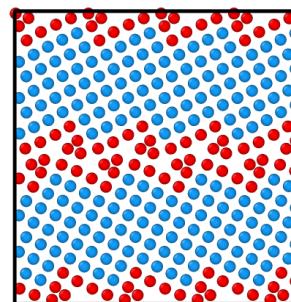
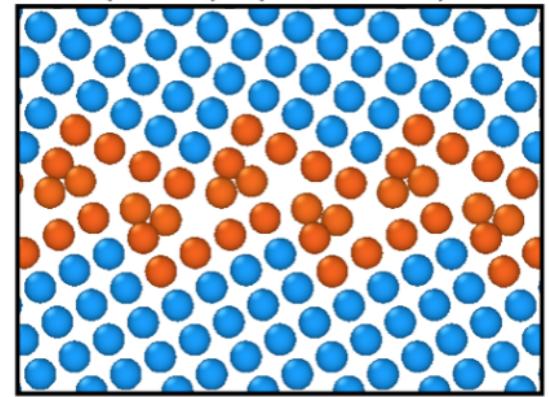
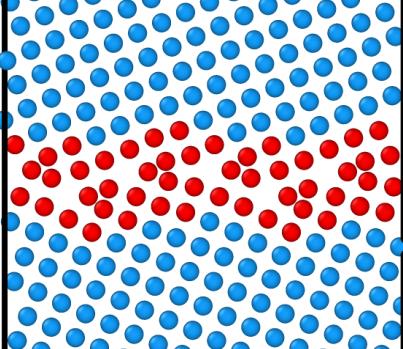
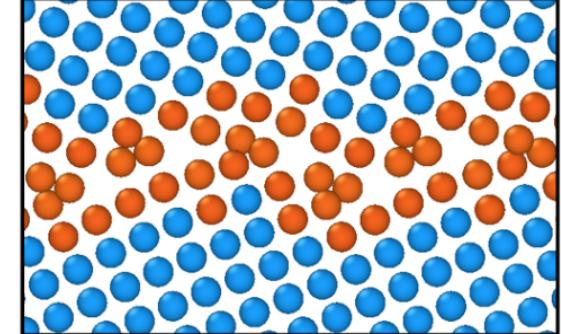
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
23	Σ_{13}	67.38			0.73 $\Sigma_{13}(320)(67.38^\circ)$ 
28	Σ_{85}	81.5			0.6 $\Sigma_{85}(760)(81.50^\circ)$ 

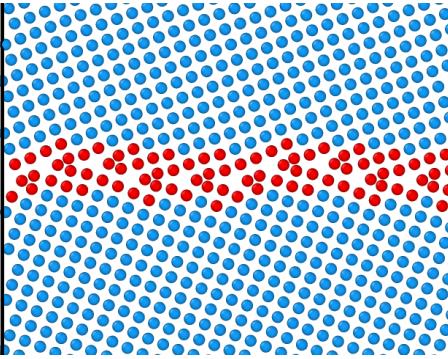
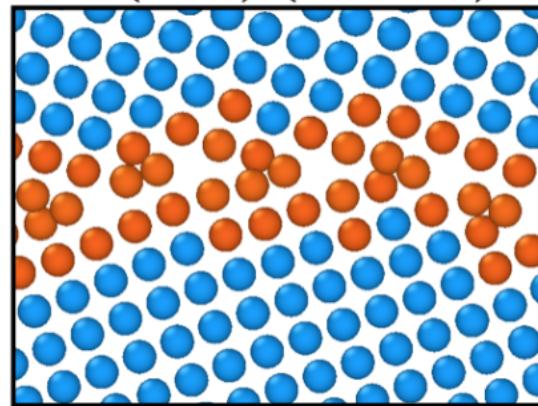
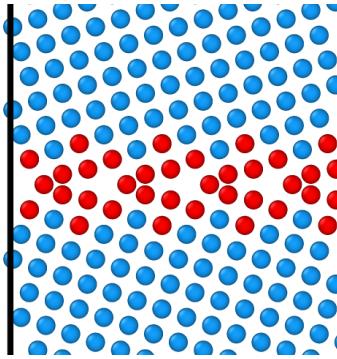
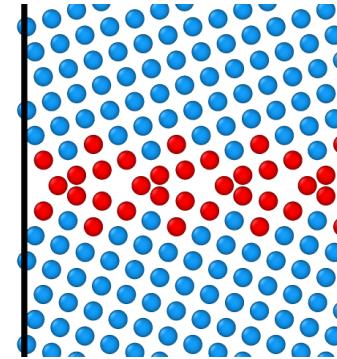
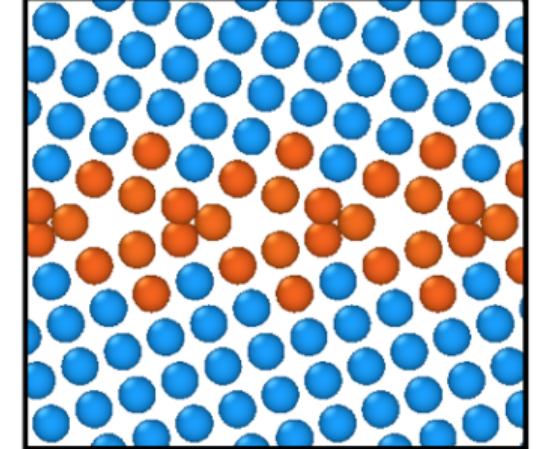
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
30	$\Sigma 181$	83.97	0.595 	0.488 	0.50 $\Sigma 181(1090) (83.97^\circ)$ 

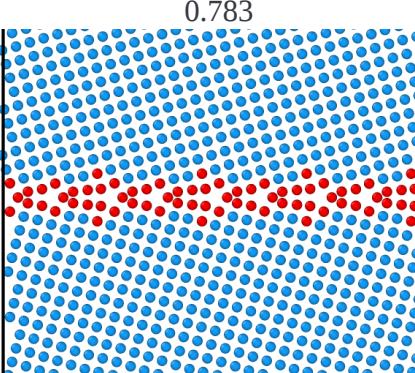
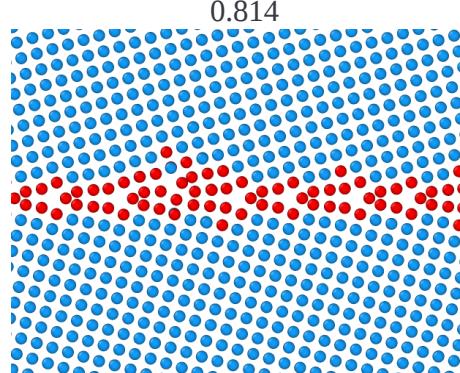
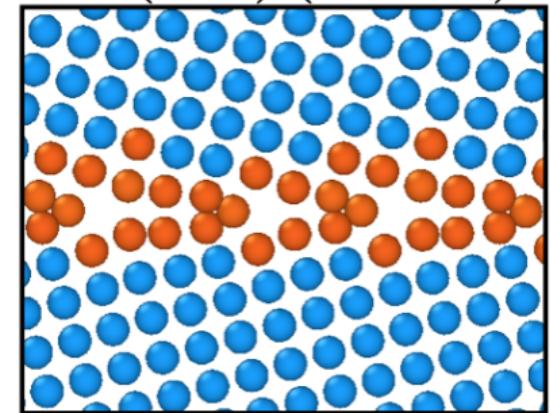
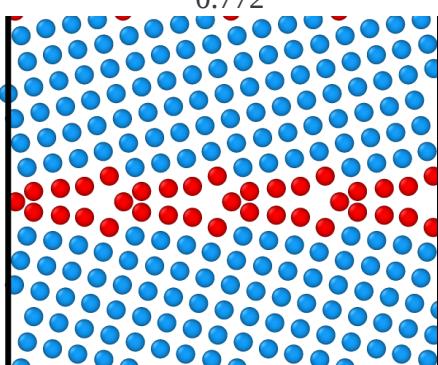
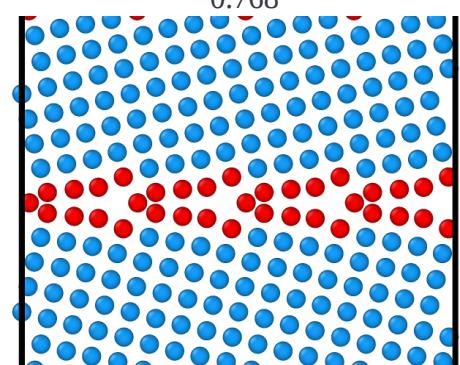
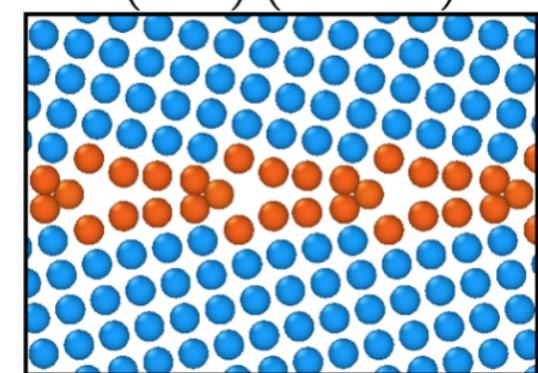
SW Potential

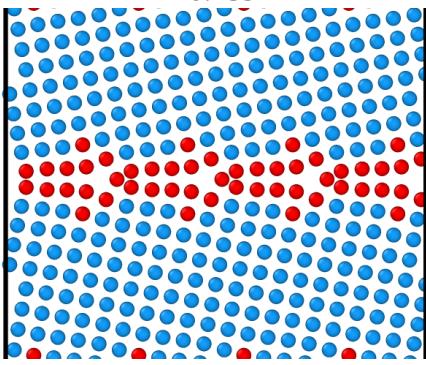
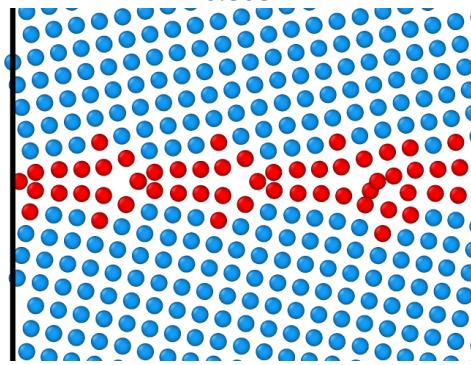
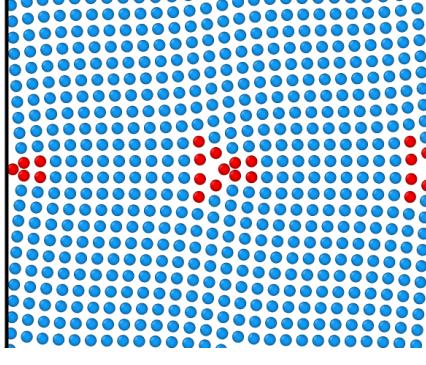
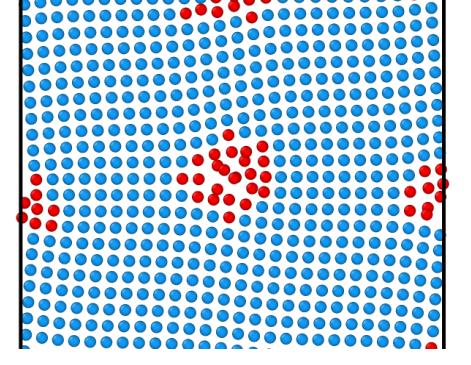
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
5	$\Sigma 401$	5.725	0.874 	0.66 	0.64 $\Sigma 401(2010) (5.725^\circ)$ 

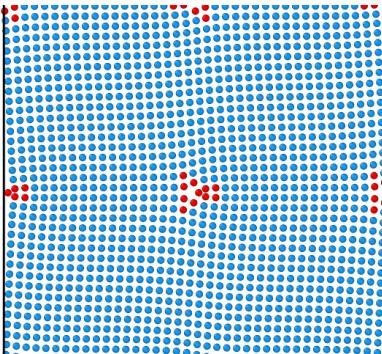
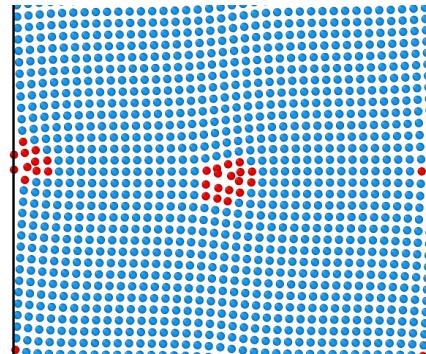
Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
9	$\Sigma 37$	18.93	0.856 	0.928 	0.778 $\Sigma 37(610) (18.93^\circ)$ 
10	$\Sigma 13$	22.62	0.883 	0.899 	0.74 $\Sigma 13(510) (22.62^\circ)$ 

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
14	$\Sigma 5$	36.87	<p style="text-align: center;">0.675</p> 	<p style="text-align: center;">0.667</p> 	<p style="text-align: center;">0.54</p> <p>$\Sigma 5(310) (36.87^\circ)$</p> 
16	$\Sigma 29$	43.6		-	<p style="text-align: center;">0.66</p> <p>$\Sigma 29(520) (43.60^\circ)$</p> 

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
17	$\Sigma 97$	47.93		-	0.67 $\Sigma 97(940) (47.93^\circ)$ 
19	$\Sigma 5$	53.13			0.55 $\Sigma 5(210) (53.13^\circ)$ 

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
21	$\Sigma 53$	58.11			0.71 $\Sigma 53(950) (58.11^\circ)$ 
22	$\Sigma 17$	61.92			0.72 $\Sigma 17(530) (61.92^\circ)$ 

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
23	Σ_{13}	67.38			$\Sigma_{13}(320) (67.38^\circ)$ 0.73
28	Σ_{85}	81.5			$\Sigma_{85}(760) (81.50^\circ)$ 0.6

Exp. No	Σ	θ	MS	MD	γ_{GB} (ref)
30	$\Sigma 181$	83.97	<p>0.462</p> 	<p>0.500</p> 	<p>0.50</p> <p>$\Sigma 181(1090) (83.97^\circ)$</p> 