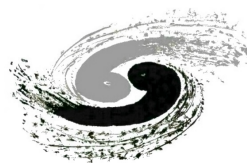
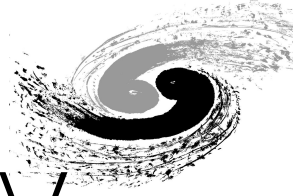


Field Plate Simulation



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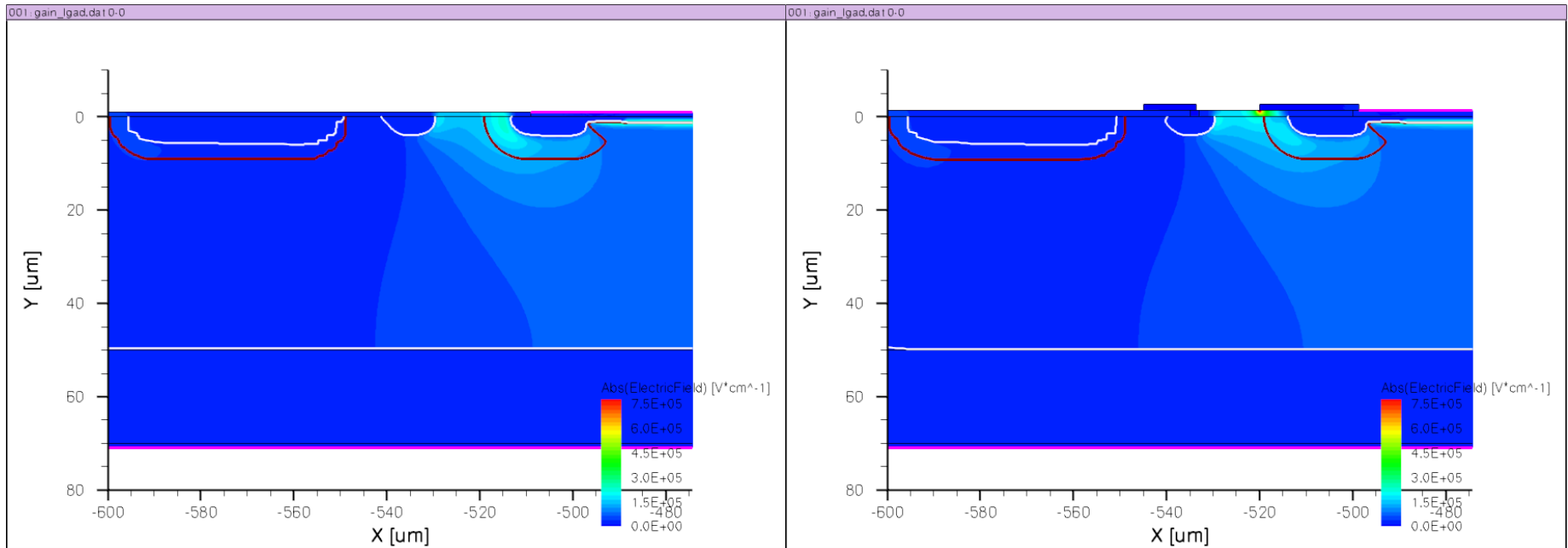
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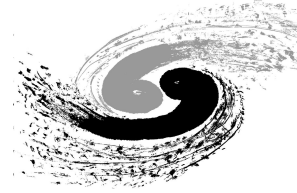


With(out) Electric Field @ -320V

Without field plate

With field plate (520)

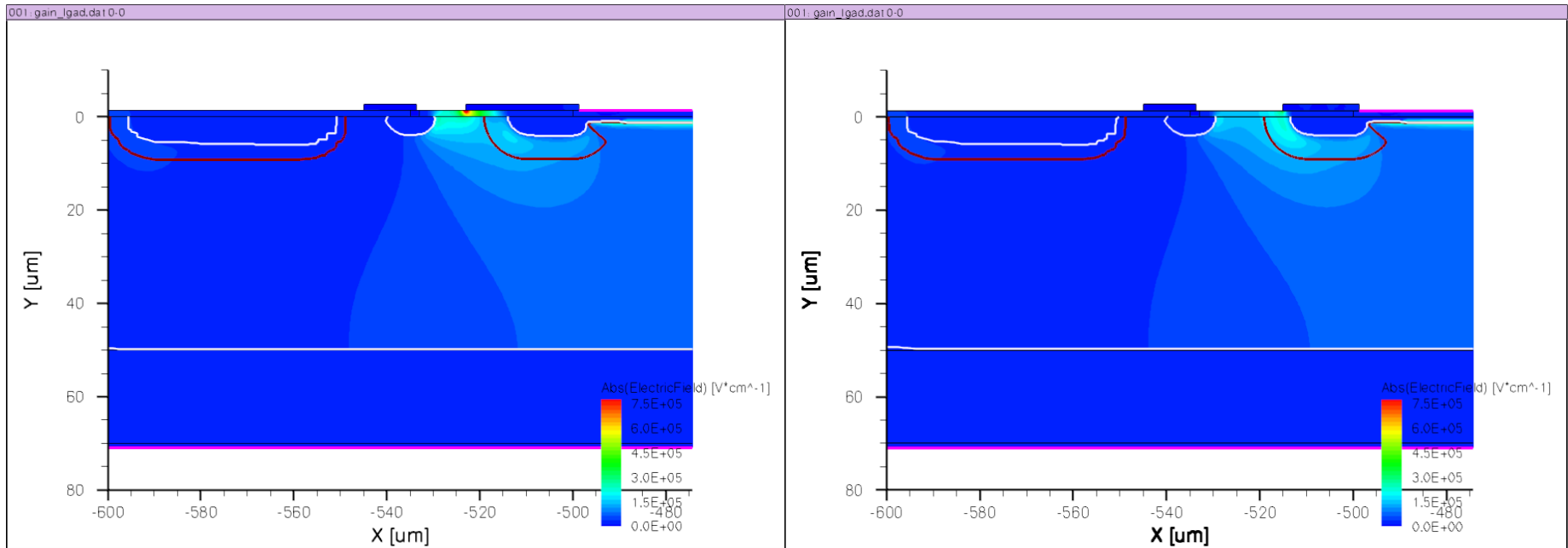


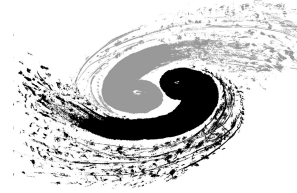


Field Plate (@-320V) end in

523

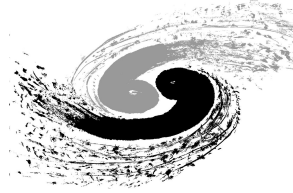
515





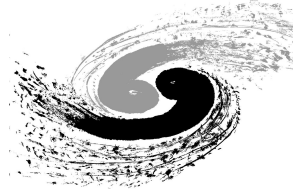
Different Edge

Field Plate End in	Breakdown Voltage (V)	Gain@ -320V	High Electric Field (10^6 V/cm)@ -320V
±514	-	-	-
±515	-424.64	7.108	0.303
±516	-	-	-
±517	-	-	-
±518	-	-	-
±519	-	-	-
±520	-409.65	7.108	0.780
±523	-347.87	7.108	1.091
No Field Plate	-410.41	10.45	0.204

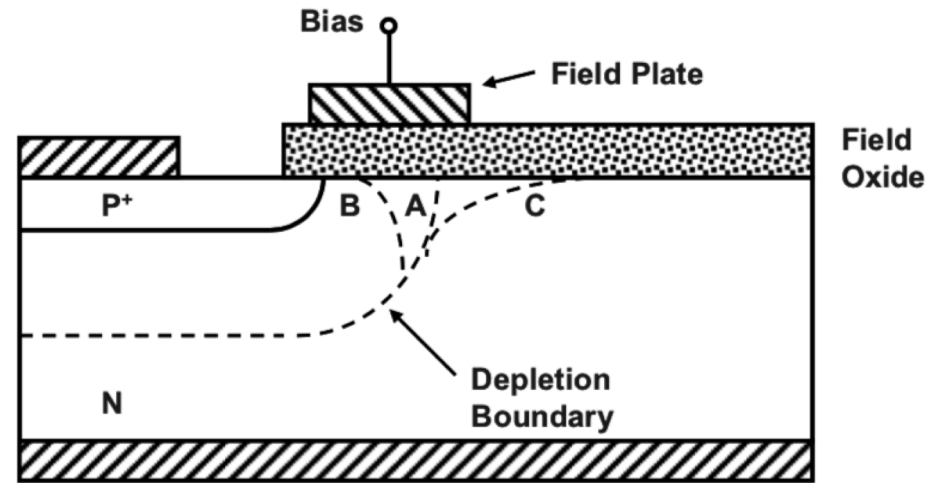
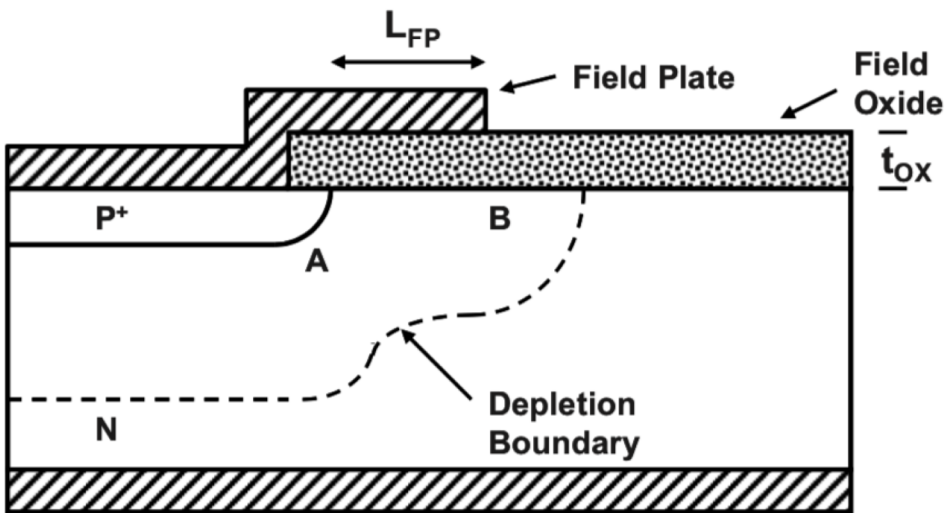


Summary

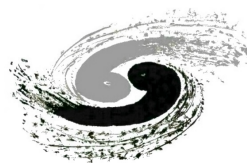
1. 515 is a good end.
2. Waiting for 514 516 517 518 519 simulation results.
3. Oxide layer thickness simulation didn't converge try smaller change.
4. Drawing independent bias field plate.



Bias Field Plate



Thanks for your listening!



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