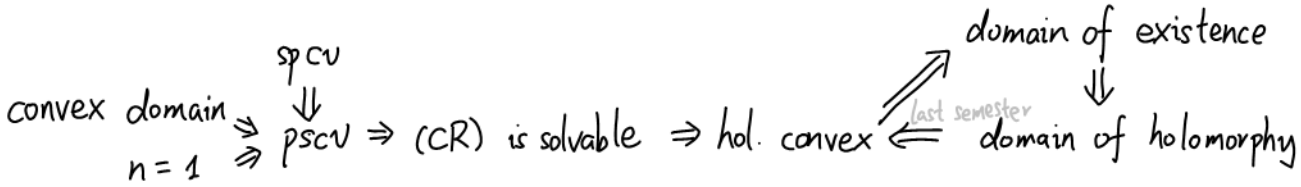
Eine Woche, ein Beispiel

5.21. domains in $\mathbb{C}^n$

Here we collect some concepts of domains in C^n. I learned it from the course of Prof. Lieb.



psh: plurisubharmonic — not presheaf!
spsh: strictly plurisubharmonic — not super presheaf!
pscv: pseudoconvex
spcv: strictly pseudoconvex — I prefer spscv...
(CR): Cauchy - Riemann equation

By Hartog's Kugelsatz, $U - K$ is not domain of existence.
for $n \geq 2$, $K \subset\subset U \overset{\text{open}}{\subseteq} \mathbb{C}^n$.