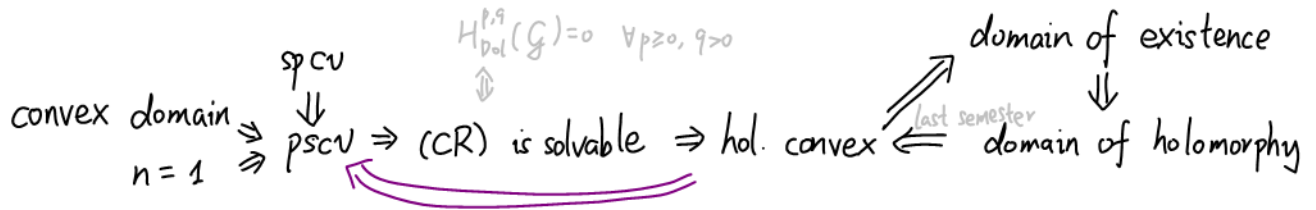


Eine Woche, ein Beispiel

5.21. domains in \mathbb{C}^n

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



psh: plurisubharmonic
 spsh: strictly plurisubharmonic
 pscv: pseudoconvex
 spcv: strictly pseudoconvex
 (CR): Cauchy - Riemann equation

not presheaf!
 not super presheaf!

I prefer spscv...

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