## Convexity of domains - an analytic point of view <br> Mon/Epcos <br> Anne-Katrin Herbig* (Univ. Wien), Jeff McNeal (Ohio State University) <br> 18:00-18:20

We give several proofs of the fact that a smoothly bounded, convex domain in $\mathbb{R}^{n}$ has defining functions whose Hessians are non-negative off the boundary of the domain.

