Spring 2024 Math 584 - Singularity Theory Homework 3 - Varieties; Isolated Singularities Due: 26/3/2024

- 1. REID, 3.12.(ii),(iii)
- 2. (a) Prove the claim in MILNOR, p.21: The function P : S_ε × (0, ε²] → D_ε − x₀ is a diffeomorphism.
 (b) Why does not P extend over D_ε as a diffeomorphism rather than a homeomorphism?

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