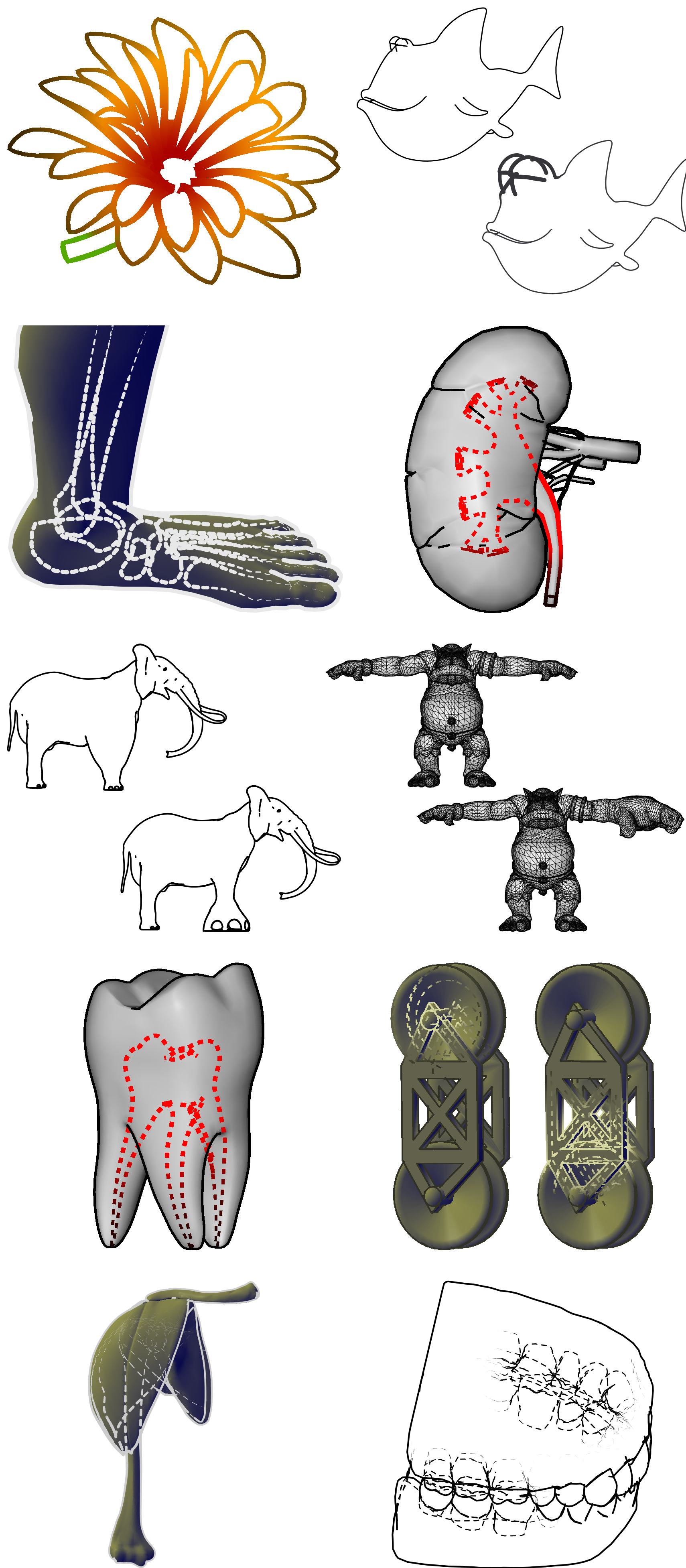


NPR Lenses

Local Effect Control for Non-Photorealistic Line Drawings

NPR Lenses are a new non-photorealistic rendering tool, that allows integrated distortions in 3D with common 2D interaction techniques. A number of localized effects can be combined and applied to models from many different application domains.

Examples

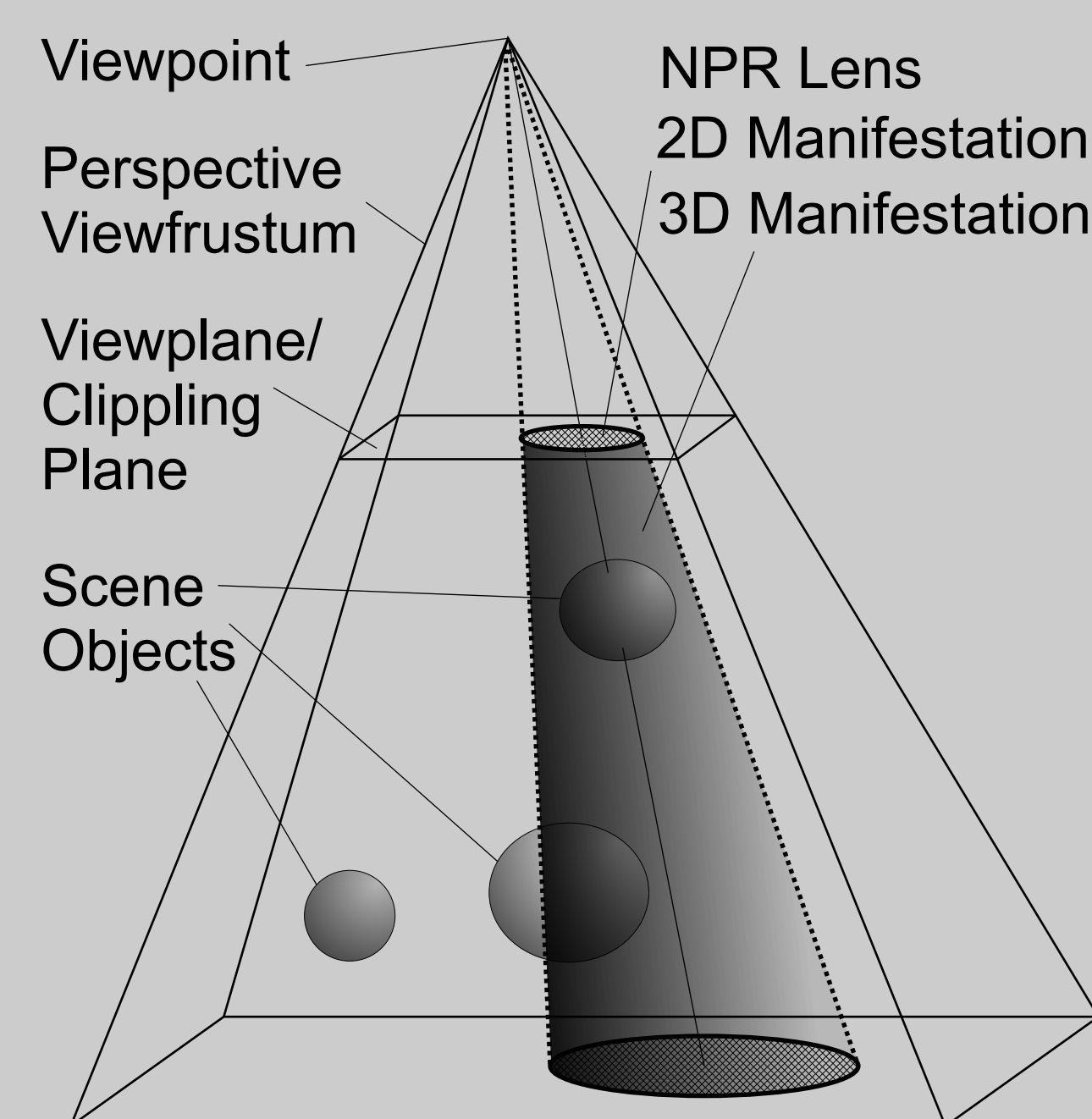
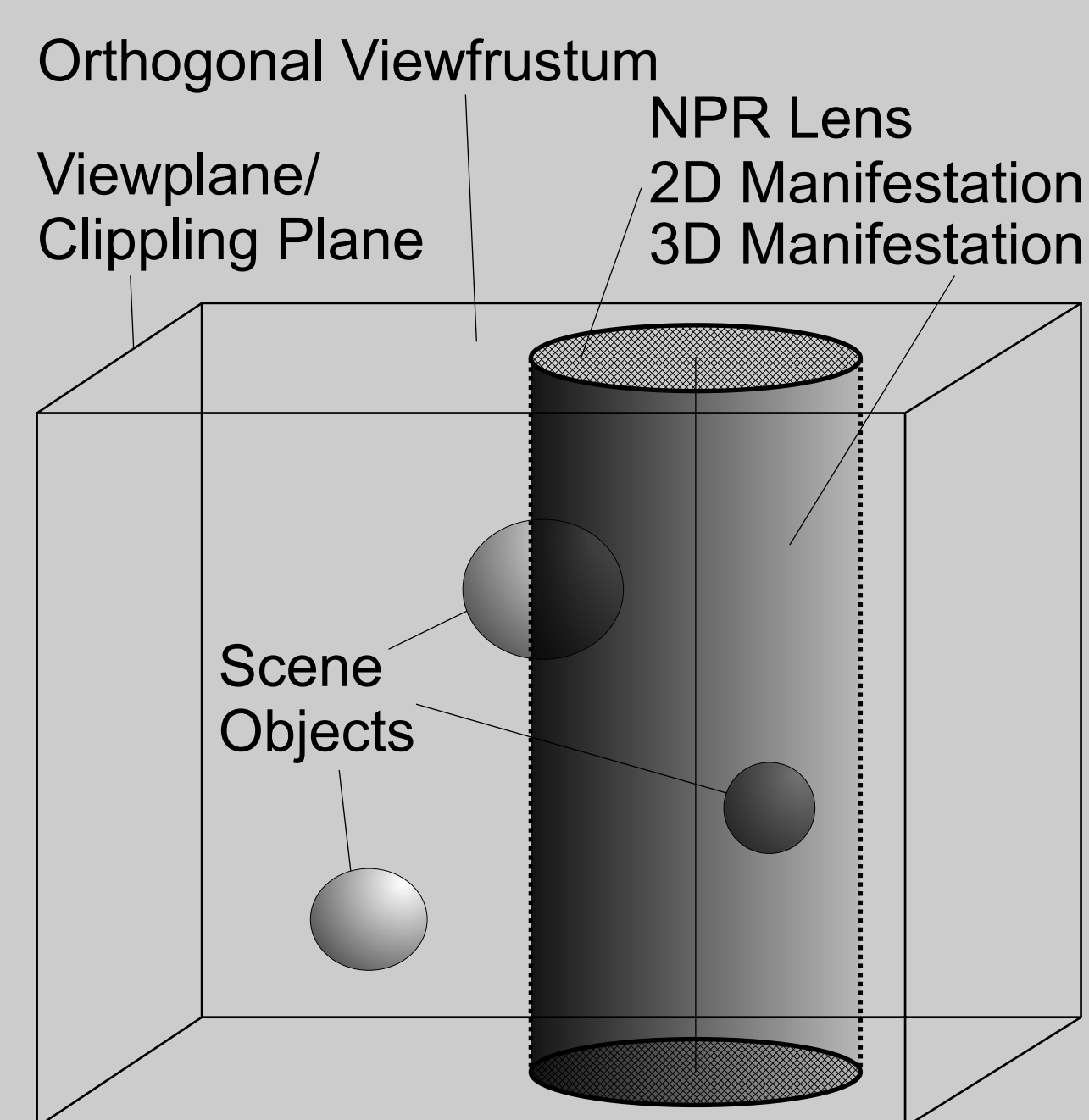


Effect Types

- Hidden Lines Lens
- Line-Style Lens
- Spatial-Distortion Lens
- Object-Space Constraints
- Combinations

Interaction

- Place lens on viewplane
- Choose lens parameters
- Choose type of effect
- Move lens on view-plane; see effects applied in 3D
- Move scene independently



NPR Lenses resemble hand-held magnifying glasses in the physical world. NPR Lenses are view-aligned and support the adjustment of the three-dimensional scene and its parameters independent from the other common 3D manipulations.

