

Figure 26.26: Case (III): The left figure is the hyperplane representation of \mathbb{RP}^2 and a homography with fixed point P and invariant line Δ . The purple (linear) hyperplane maps to itself under rescaling; as such the restriction of the homography to Δ is the identity. The green (linear) hyperplane also is invariant under the homography, but the invariance is not given by the identity map.

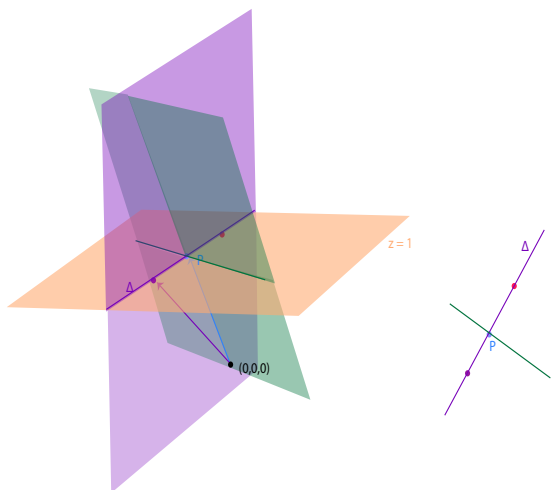


Figure 26.27: Case (IV): The left figure is the hyperplane representation of \mathbb{RP}^2 and a homography with fixed point P and invariant line Δ containing P . The purple (linear) hyperplane maps to itself under rescaling; as such the restriction of the homography to Δ is the identity. The green (linear) hyperplane also is invariant under the homography, but the invariance is not given by the identity map.