

# Local analytic centralisers in holomorphic dynamics

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We discuss the local conformal centralisers of holomorphic maps at parabolic and elliptic fixed points. We show general results about the group structure of the local centraliser at parabolic fixed point, and determine the precise group in a number of specific families of maps. We explain a rigidity phenomenon, which ensures that the elements of the local centraliser are global symmetries of particular form.