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Michael Aschbacher*, Department of Mathematics, Caltech, Pasadena, CA 91125. *Overgroup lattices of reducible subgroups of classical groups.*

We show that if G is a finite classical group and H is a subgroup of G such that the overgroup lattice of H in G is in the class $D\Delta$ of Shareshian, then (modulo an exceptional open case) H is irreducible on the defining space of G . (Received September 23, 2012)