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Anatoly Libgober* (libgober@math.uic.edu), Dept. of Mathematics, UIC, 851 S.Morgan.,
Chicago, IL 60607. *Stratifications and topological invariants of singular hypersurfaces.*

This is report on joint work with L.Maxim. As part of program of finding invariants specifying topological type of singular hypersurfaces and complete intersections, we express the difference between the Hodge polynomials of the singular and resp. generic member of a pencil of hypersurfaces in a projective manifold by using a stratification of the singular member described in terms of the data of the pencil. I also will describe explicit examples of such invariants of pencils for surfaces of low degree. (Received December 01, 2011)