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*Residue-type indices, applications to holomorphic foliations and Levi-flat hypersurfaces*

We study residue-type indices for germs of holomorphic foliations in the plane. We characterize a family of foliations called second type foliations by an expression involving the Baum-Bott, variation and polar excess indices. We also give some applications to real-analytic Levi-flat hypersurfaces in compact complex surfaces.