On the Newton filtration for functions on complete intersections

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SUMMARY

A one-index Newton filtration for functions on certain complete intersections has been considered by A.G.Kushnirenko when he calculated the Milnor number for functions with an isolated singularity, the complete intersection being given by the partial derivatives. On the other hand, W.Ebeling and S.Gusein-Zade resp. A.Lemahieu studied multi-index Newton filtrations for functions on hypersurfaces. This will be extended to functions on complete intersections.

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