

# Holonomic and semiholonomic higher-order jets of submanifolds

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It is well known that higher order jet bundles are not the same as repeated jet bundles; the former may be regarded as being contained in the latter as ‘holonomic’ sub-bundles, with intermediate structures called ‘semiholonomic’ jet bundles which are relevant to questions of integrability. In this talk I shall describe how similar structures appear when we consider jets of submanifolds.