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From division to extension

Extending holomorphic data from subvarieties ( $L^2$  extension) and lifting holomorphic sections of quotient bundles ( $L^2$  division) are fundamental problems in complex geometry and several complex variables. They are also intimately related: in fact, Ohsawa showed that a version of the  $L^2$  division theorem can be proved as a corollary of the  $L^2$  extension theorem. We will see how, conversely, a version of the extension theorem can be obtained as an easy corollary of a division theorem with bounded generators.