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Hans Schoutens* (hschoutens@citytech.cuny.edu). *Balanced depth and pseudo-canonical modules.*

In a local CM ring, any part of a system of parameters is regular and generates an unmixed ideal. A generalization of this notion would be a regular sequence (on a module) such that each subsequence generates an unmixed ideal (submodule). Call the maximal length of such a sequence the balanced depth (of the module). I will show how this can be calculated by means of the vanishing of the Matlis duals of the local cohomology groups, the so-called pseudo-canonical modules. (Received September 03, 2016)