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Dietmar Bisch* (dietmar.bisch@vanderbilt.edu), Vanderbilt University, Department of Mathematics, Nashville, TN 37240. *Composition of subfactors, and planar algebras.*

The technique of composing two subfactors, pioneered by Haagerup and myself, has led to a rich collection of standard invariants (or planar algebras) of subfactors. I will report on some recent constructions and new planar algebras obtained using this idea. (Received August 02, 2010)