The mixed Christoffel problem

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We will start by briefly reviewing the notions of mixed volumes and mixed area measures of convex bodies. Then we will describe two important problems related to area measures: the Minkowski and the Christoffel problems (along with their intermediate version, the Christoffel-Minkowski problem). We will then pass to a similar problem concerning mixed area measures, that we call *mixed Christoffel problem*, and present some new existence results.