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Pinhas Grossman* (pinhas.grossman@vanderbilt.edu), Department of Mathematics, 1326 Stevenson Center, Vanderbilt University, Nashville, TN 37203, and **Masaki Izumi**. *Pairs of Intermediate Subfactors*.

An intermediate subfactor is an algebra P in between two factors: $N \subset P \subset M$, where $N \subset M$ is an irreducible inclusion of factors with finite Jones index. For non-commuting pairs of intermediate subfactors, there is a rigidity to the inclusions which severely limits the number of possible configurations, in terms of the indices and the standard invariant. In particular, there are exactly seven non-commuting quadrilaterals of factors whose sides have index less than or equal to 4. This is joint work with Masaki Izumi. (Received March 09, 2008)