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Model companions of unions of theories

Suppose T_1, T_2 are model complete first order theories in languages L_1, L_2 such that $T_1 \cap T_2$ is a consistent $L_1 \cap L_2$ -theory. Robinson joint consistency implies $T_1 \cup T_2$ is consistent. We describe general conditions which ensure that $T_1 \cup T_2$ has a model companion and describe some natural examples where these conditions hold. Joint with Minh Tran.