Neat reducts, interpolation and omitting types

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Abstract . Neat reducts is an old venerable notion in algebraic logic. But it often happens that unexpected viewpoints give new insights. Indeed the repercussions of the (apparently) very innocent looking fact that the class of neat reducts is not closed under forming subalgebras turns out to be enormous. In this talk we discuss some of these repercussions in connection to definability, interpolation and omitting types for variants of first order logics.