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A systematic overview of paraconsistent logics, with an emphasis on Jaśkowski

Abstract: Paraconsistent logics are characterized by the failure of ex contradictione quodlibet (ECQ hereafter). Since the modern birth of paraconsistency, infinitely many systems of paraconsistent logic have been devised and studied based on various motivations. After all, it seems that paraconsistent logics are only loosely connected to each other by a rather general requirement that ECQ should be invalid. But is it really impossible to unify paraconsistent logics? The purpose of the talks is to address this question from a semantic perspective. The overall project aims at the following claim: there are only two kinds of paraconsistent negation, one being negation as representing falsity, and the other being negation as negative modality. Most systems of paraconsistent logic will be classified into these two categories, and further differences can be seen in terms of the additional connectives and their semantics. The aim of the talks is to spell out the details for the first half of the claim. It turns out that Jaśkowski's insight is to be found beyond his own system, namely discussive logic.