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ZZZ coupler for native embedding of MAX-3SAT problem instances in quantum annealing hardware JOEL STRAND, ANTHONY PRZY-BYSZ, DAVID FERGUSON, KEN ZICK, Northrop Grumman - Baltimore — Most particle interactions found in nature are two body in character. When three body terms exist, they tend to be weak in comparison to two body interactions. Northrop Grumman Corporation has developed an innovative coupling design that generates a strong, tunable, three body ZZZ interaction, as well as independently tunable two body ZZ interactions. The coupler allows MAX-3SAT instances to be embedded natively into device hardware.

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