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## On Computing Last Elimination Ideal

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## CRM

A set of generators of the elimination ideals of a gievn ideal can be computed by the lexicographic Groebner basis. This way if we want to compute the last elimination idea, we need to compute the whole of the Groebner basis which is algorithmiaclly very expensive. We are looking for an alternative method to compute the last elimination ideal using resultants and root isolation methods. This is a join ongoing work with M. Gallet, A. Montzaflaris and Z. Zafeirakopoulos.