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Cristina Manolache : Desingularisation of sheaves and reduced Gromov–Witten invariants

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Gromov–Witten (GW) invariants of genus g, with g greater than one, do not count curves of genus g in a given space: curves of lower genus also contribute to GW invariants. In genus one this problem was corrected by Vakil and Zinger, who defined more enumerative numbers called "reduced GW invariants."More recently Hu, Li and Niu gave a construction of reduced GW invariants in genus two. I will define reduced Gromov–Witten invariants in all genera. This is work with A. Cobos-Rabano, E. Mann and R. Picciotto.