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*Families of genus two curves with many elliptic subcovers.*

In this paper we determine all genus 2 curves which have simultaneously degree 2 and degree 3 elliptic subcovers. The locus of such curves has three irreducible 1-dimensional genus zero components in  $\mathcal{M}_2$ . For each component we find a rational parametrization and then construct the equation of the corresponding genus 2 curve and its elliptic subcovers in terms of these parameters.. (Received December 24, 2011)