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**Matthew Hedden\***. *Knot theory and complex curves*

The modern study of knots and links has important roots in the theory of algebraic curves, where links encode subtle features of singularities. The interaction between links in 3-dimensional manifolds and algebraic curves in complex surfaces continues to be a rich source of interesting mathematics. In this talk I will survey the subject, from its seeds in the work of Newton to advances which have occurred in the past decade. (Received September 4, 2019)