ROBUST MATCHING FOR TEAMS

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We investigate a variation of the classical matching problem over a continuum of consumers and producers, where the producer is uncertain about it's cost. If a consumer selects a good a team of producers are formed to produce the good in spite of such uncertainties and the market designer, knowing how the consumers and producers are going to react, aims to set the price to optimally match consumers to teams of producers so that the market is cleared. Using optimal transportation theory, we provide conditions under which the robust matching equilibrium exists.