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Abstract



Rendezvous and docking are two of the key techniques to develop an inorbit space infrastructure. In this thesis, an automatic spacecraft docking system based on computer vision is studied in detail.

First, a number of conventional methods for attitude representation are discussed and their complexity in dealing with the problem of attitude representation are

Key words: rendezvous and docking ; computer vision ; nonlinear controller

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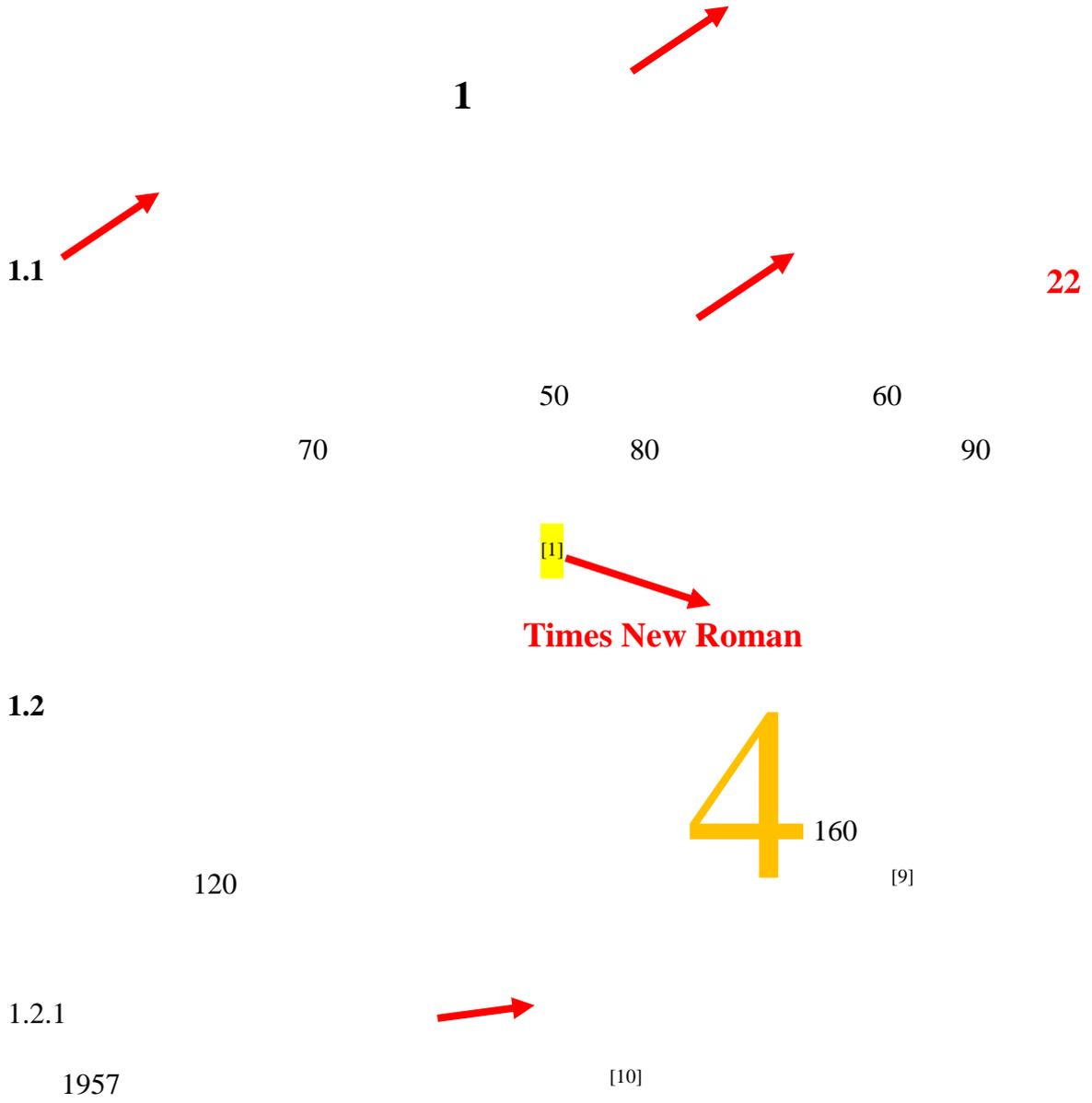
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Abstract

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