

Notes on the formulation of weld constraints in SAP

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Given a frame P rigidly attached to body A with pose ${}^AX^P = ({}^{A_o}p^{P_o}, {}^AR^P)$ and frame Q rigidly attached to body B with pose ${}^BX^Q = ({}^{B_o}p^{Q_o}, {}^BR^Q)$ we can describe ${}^PR^Q$, frame