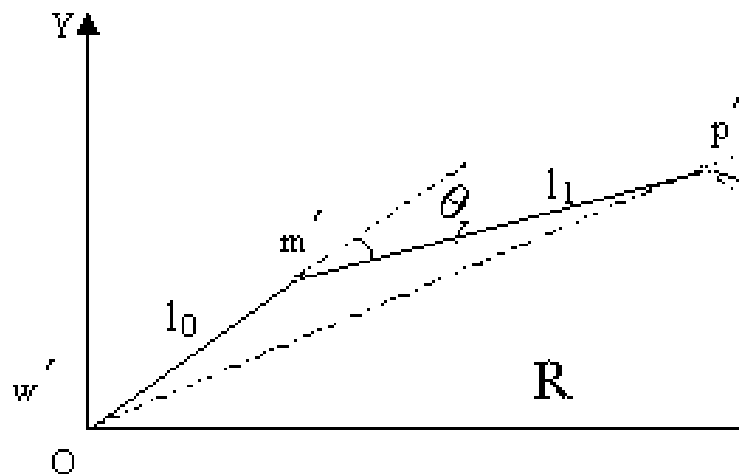


the adduction or abduction for the M joint of middle finger

(Wrist joint, Carpometacarpal joint, Proximal joint, Metacarpal joint and Tip represented by W , C , P , M and T respectively) of each finger are coplanar. We define this plane as the "finger plane".



The angles of I and M of the thumb have a dependency represented by the following equation: $\theta_5 = \alpha \theta_4$ where $\alpha > 0$

The joints (TM , M , I and T) of the thumb are coplanar. We define this plane as the "thumb plane". In the experiments, the TM joint is approximately

such that the M joint of each finger are located in the plane called "thumb plane" and this plane is perpendicular to the "finger plane" of the

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