

$$I_{xx}(2I_{xx}((I_{yy}-I_{zz})\cos^2(q_6)+I_{zz})\sin^2(q_5)+(I_{yy}-I_{zz})((I_{yy}-I_{zz})\cos^2(q_6)+I_{zz})\cos^2(q_5)\cos^2(q_6)+2(I_{yy}+I_{zz})^2\sin^2(q_6)\cos^2(q_5)\cos^2(q_6))$$