The little of is required which can be path from according to Assuming path from according to Assuming out
$$\left[\frac{g}{gz}\right] = \left[\frac{G_{xx}}{G_{xz}} + \frac{G_{xy}}{G_{xz}}\right] + \frac{G_{xy}}{G_{xy}} = \left[\frac{G_{xy}}{G_{xy}} + \frac{G_{xy}}{G_{xy}}\right] = \left[\frac{G_{xy}}{G_{xy}}\right] + \frac{G_{xy}}{G_{xy}} = \left[\frac{G_{xy}}{G_{xy}}\right] = \left[\frac{G_{xy}}{G_{xy}$$