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$$Q'' = (-1)^{m/2} \sum_{k=|l-j|}^{\infty} Q_{lmjpk} Y_{k}^{m+p}$$

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$$\mathcal{R}\mathbf{Y}_{j}^{p}\cdot\mathcal{R}\mathbf{Y}_{l}^{m}=(-1)^{m+p}\sum_{k=|l-j|}^{l+j}\beta_{lmjpk}\mathbf{Y}_{k}^{m+p}$$

$$\alpha_{lmjpk} = \int_{||\mathbf{m}||=1} \mathbf{Y}_{j}^{p} \mathbf{Y}_{l}^{m} \mathbf{Y}_{k}^{-m-p} d\mathbf{m} + \int_{||\mathbf{m}||=1} \mathbf{Y}_{l}^{p+l} \mathbf{Y}_{k}^{m-l} \mathbf{Y}_{l}^{p+l} \mathbf{Y}_{k}^{m-l} \mathbf{Y}_{l}^{m-l} \mathbf{Y}_{l}^{m-l}$$

$$\beta_{lmjpk} = \frac{1}{2}(j^2 + j + l^2 + l - k^2 - k)\alpha_{lmjpk}$$