Mathematicians ⓥⓢ Physicists

$m \in \mathbb{N}$ even $j \in \dfrac{1}{2}\mathbb{N}$ integer

         odd   half-integer

$$m = 2j$$

$$H \qquad\qquad\qquad J_3$$

$$X \qquad\qquad\qquad J_+ = J_1 + iJ_2$$

$$Y \qquad\qquad\qquad J_- = J_1 - iJ_2$$