

$i$	$f_i(\Omega)$
1	$P_{2J-1}^0 Y_0^0$
2	$P_{2J}^0 Y_0^0$
3	$P_{2J-1}^0 Y_2^0$
4	$P_{2J}^0 Y_2^0$
5	$P_{2J-1}^1 \sqrt{2} \operatorname{Re}(Y_2^1)$
6	$P_{2J}^1 \sqrt{2} \operatorname{Re}(Y_2^1)$
7	$P_{2J-1}^1 \sqrt{2} \operatorname{Im}(Y_2^1)$
8	$P_{2J}^1 \sqrt{2} \operatorname{Im}(Y_2^1)$
9	$P_{2J-1}^0 \sqrt{2} \operatorname{Re}(Y_2^2)$
10	$P_{2J}^0 \sqrt{2} \operatorname{Re}(Y_2^2)$
11	$P_{2J-1}^0 \sqrt{2} \operatorname{Im}(Y_2^2)$
12	$P_{2J}^0 \sqrt{2} \operatorname{Im}(Y_2^2)$