

	$x x^* + \sqrt{1-x^2} \sqrt{1-x^2}^*$	0
	$\frac{1}{6} \left(\left(4x + \sqrt{2-2x^2} \right) x^* + \left(\sqrt{2} x + 5 \sqrt{1-x^2} \right) \sqrt{1-x^2}^* \right)$	$\frac{1}{72} \left(\sqrt{6-6x^2} - 2\sqrt{3} x \right) \left(\sqrt{6} \sqrt{1-x^2}^* - 2\sqrt{3} x^* \right)$
	$\frac{1}{9} \left(\left(5x + \sqrt{2-2x^2} \right) x^* + \left(\sqrt{2} x + 6 \sqrt{1-x^2} \right) \sqrt{1-x^2}^* \right)$	$\frac{1}{27} \left(\left(5x - \sqrt{2-2x^2} \right) x^* + \left(4 \sqrt{1-x^2} - \sqrt{2} x \right) \sqrt{1-x^2}^* \right)$
	$\frac{1}{108} \left(\left(50x + 8 \sqrt{2-2x^2} \right) x^* + \left(8 \sqrt{2} x + 67 \sqrt{1-x^2} \right) \sqrt{1-x^2}^* \right)$	$\frac{1}{432} \left(\left(92x + (-7 + 3i\sqrt{3}) \sqrt{2-2x^2} \right) x^* + \left(-3i\sqrt{6} x - 7\sqrt{2} x + 58 \sqrt{1-x^2} \right) \right.$
	$\left. \frac{1}{270} \left(\left(118x + (17 + 3i\sqrt{3}) \sqrt{2-2x^2} \right) x^* + \left(\sqrt{2} (17 - 3i\sqrt{3}) x + 138 \sqrt{1-x^2} \right) \sqrt{1-x^2}^* \right) \right.$	$\left. \frac{(356x + (-31 + 3i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-3i\sqrt{6} x - 31\sqrt{2} x + 298 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{1620} \right.$
	$\frac{(1240x + (193 + 57i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (193 - 57i\sqrt{3}) x + 1316 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{2916}$	$\frac{(574x + (-29 - 3i\sqrt{3}) \sqrt{2-2x^2}) x^* + (3i\sqrt{6} x - 29\sqrt{2} x + 572 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{2916}$
	$\frac{(1394x + (213 + 77i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (213 - 77i\sqrt{3}) x + 1466 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{3402}$	$\frac{(1924x + (-137 + 51i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-51i\sqrt{6} x - 137\sqrt{2} x + 1895 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{10206}$
	$\frac{(13096x + (2023 + 807i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (2023 - 807i\sqrt{3}) x + 14786 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{34992}$	$\frac{(3302x + (-307 + 39i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-39i\sqrt{6} x - 307\sqrt{2} x + 3292 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{17496}$
	$\frac{(14606x + (1731 + 451i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (1731 - 451i\sqrt{3}) x + 15440 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{39366}$	$\frac{(10610x + 7(-157 + 21i\sqrt{3}) \sqrt{2-2x^2}) x^* + (7\sqrt{2} (-157 - 21i\sqrt{3}) x + 11752 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{59049}$
	$\frac{(141352x + (10831 + 2097i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (10831 - 2097i\sqrt{3}) x + 163892 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{393660}$	$\frac{(74338x + (-6914 + 1077i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-1077i\sqrt{6} x - 6914\sqrt{2} x + 72149 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{393660}$
	$\frac{(143578x + (12743 + 2685i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (12743 - 2685i\sqrt{3}) x + 173802 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{433026}$	$\frac{(274390x + (-25643 + 1779i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-1779i\sqrt{6} x - 25643\sqrt{2} x + 248612 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{1299078}$
	$\frac{(1361068x + (91939 + 11775i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (91939 - 11775i\sqrt{3}) x + 1605332 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{4251528}$	$\frac{(1716116x + (-74083 + 28047i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-28047i\sqrt{6} x - 74083\sqrt{2} x + 1759618 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{8503056}$
	$\frac{(697219x + (39876 + 925i\sqrt{3}) \sqrt{2-2x^2}) x^* + (\sqrt{2} (39876 - 925i\sqrt{3}) x + 858160 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{2302011}$	$\frac{(5397692x + (-205339 + 92631i\sqrt{3}) \sqrt{2-2x^2}) x^* + (-92631i\sqrt{6} x - 205339\sqrt{2} x + 5434354 \sqrt{1-x^2}) \sqrt{1-x^2}^*}{27624027}$

Out[1182]= {

$$\begin{array}{l}
\frac{\left(6356156x+\left(411875-393i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(411875+393i\sqrt{3}\right)x+7802113\sqrt{1-x^2}\right)\sqrt{1-x^2}}{22320522} \\
\frac{\left(6426421x+\left(426735-229i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(426735+229i\sqrt{3}\right)x+7859038\sqrt{1-x^2}\right)\sqrt{1-x^2}}{23914845} \\
\frac{\left(58858280x+\left(3967373-66303i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(3967373+66303i\sqrt{3}\right)x+70916158\sqrt{1-x^2}\right)\sqrt{1-x^2}}{229582512} \\
\frac{\left(62276723x+\left(3390181+260025i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(3390181-260025i\sqrt{3}\right)x+71892057\sqrt{1-x^2}\right)\sqrt{1-x^2}}{243931419} \\
\frac{\left(612389636x+\left(17606396-5687373i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(17606396+5687373i\sqrt{3}\right)x+693038395\sqrt{1-x^2}\right)\sqrt{1-x^2}}{2324522934} \\
\frac{\left(650507797x+\left(25420356-19270001i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(25420356+19270001i\sqrt{3}\right)x+736200088\sqrt{1-x^2}\right)\sqrt{1-x^2}}{2453663097} \\
\frac{\left(6547394426x+7\left(26845187-27212253i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(7\sqrt{2}\left(26845187+27212253i\sqrt{3}\right)x+6875717629\sqrt{1-x^2}\right)\sqrt{1-x^2}}{23245229340} \\
\frac{\left(14639450582x+\left(538342683-580817483i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{2}\left(538342683+580817483i\sqrt{3}\right)x+14732557022\sqrt{1-x^2}\right)\sqrt{1-x^2}}{48814981614}
\end{array}$$

$$\begin{array}{l}
\frac{\left(4213007x+\left(-367507+41187i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(\sqrt{6}\left(-41187i\sqrt{6}x-367507\sqrt{2}x+4700914\sqrt{1-x^2}\right)\right)}{22320522} \\
2\frac{\left(13017860x+\left(-987571+129261i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-258522i\sqrt{6}x-1975142\sqrt{2}x+28849487\sqrt{1-x^2}\right)}{143489070} \\
\frac{\left(11230067x+\left(-1006270+209307i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-209307i\sqrt{6}x-1006270\sqrt{2}x+11042599\sqrt{1-x^2}\right)}{57395628} \\
4\frac{\left(\left(36505001x+\left(-2655412+447231i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-447231i\sqrt{6}x-2655412\sqrt{2}x+37593625\sqrt{1-x^2}\right)\right)}{731794257} \\
\frac{\left(913592194x+5\left(-9107707+2171766i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(5\sqrt{2}\left(-9107707-2171766i\sqrt{3}\right)x+948461009\sqrt{1-x^2}\right)}{4649045868} \\
\frac{\left(1458958625x+\left(-92426320+20952849i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-20952849i\sqrt{6}x-92426320\sqrt{2}x+1510955764\sqrt{1-x^2}\right)}{7360989291} \\
\frac{\left(18151290572x+\left(-1098384151+168979683i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-168979683i\sqrt{6}x-1098384151\sqrt{2}x+1938237\sqrt{1-x^2}\right)}{92980917360} \\
\frac{\left(55113457748x+\left(-3320735503+1013834739i\sqrt{3}\right)\sqrt{2-2x^2}\right)x^*+\left(-1013834739i\sqrt{6}x-3320735503\sqrt{2}x+60765\sqrt{1-x^2}\right)}{292889889684}
\end{array}$$