```
(%i8)  P1 = [1.,(-0.0000000014e5)/23040000,(-0.7207910191e11)/29859840000,
       0.0000000014e6/191102976,0.9437248177e11/123834728448,
       (-0.000033803e4)/477757440000,(-0.342256743e14)/619173642240000];
```

(%o8) $P1 = [1, -6.076388888888889\,10^{-12}, -2.413914539059821, 7.325893239883401\,10^{-12}, 0.7620841338512595, -7.075347691079389\,10^{-13}, -0.05527637477619512]$

```
(%i9)  P2(x) := 1 + (x * (-0.0000000014e5)/23040000) +
        (x^2 * (-0.7207910191e11)/29859840000) +
        (x^3 * 0.0000000014e6/191102976) +
        (x^4 * 0.9437248177e11/123834728448) +
        (x^5 * (-0.000033803e4)/477757440000) +
        (x^6 * (-0.342256743e14)/619173642240000);
```

(%o9) $\mathrm{P2}\,(x) := 1 + \dfrac{x\,\left(-1.4\,10^{-4}\right)}{23040000} + \dfrac{x^2\,\left(-7.207910191\,10^{10}\right)}{29859840000} + \dfrac{x^3\,0.0014}{191102976} + \dfrac{x^4\,9.437248177\,10^{10}}{123834728448} + \dfrac{x^5\,\left(-0.33803\right)}{477757440000} + \dfrac{x^6\,\left(-3.42256743\,10^{13}\right)}{619173642240000}$

```
(%i10) plot2d([cos(0.75*%pi*x),cos(1.25*%pi*x),P2(x)], [x,-3.1,3.1], [gnuplot_term, ps],
        [gnuplot_out_file, "/home/dirk/Documents/Phoenix/Maxima/Poly-6th-deg_1.eps"])$
```