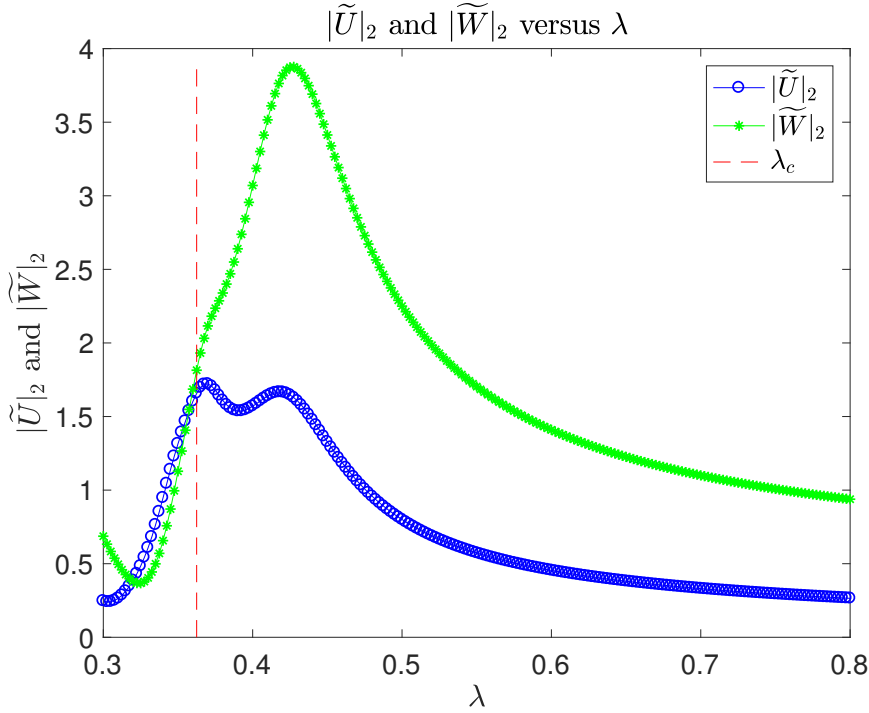


Eps = a/5, \cos(4*\theta) This is the one we used in Paper for \cos(4*\theta).



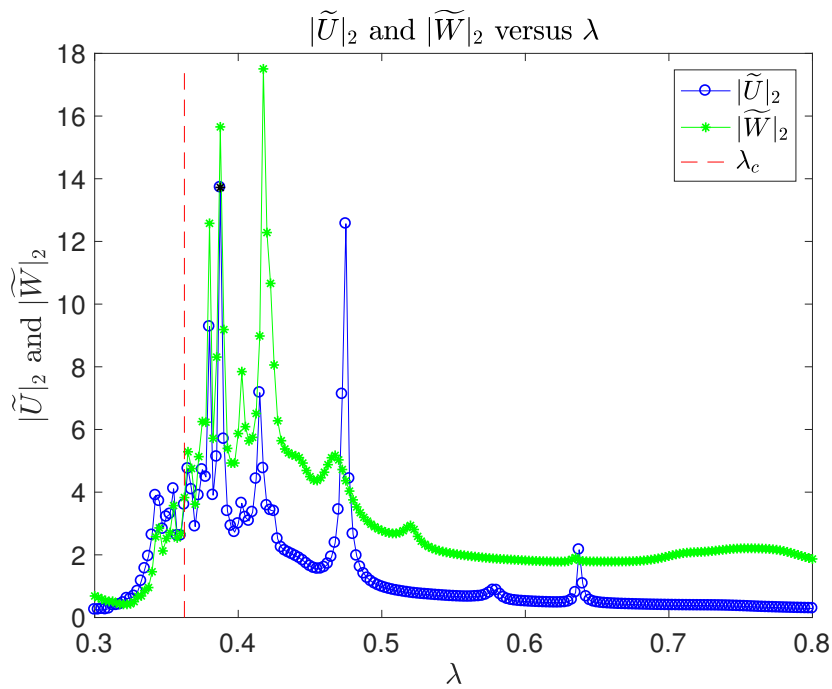
lambda = 0.37 k_u = 22.8637 k_w = 3.41779
 Eps = 0.005 a = 0.025 b = 0.25 c = 0.0025
 N_theta = 128 N = 16 N_r = 64

n	FE(P)	Err	TFE(P)	Err	Diff
0	1.25318241250441	0	1.253182412504364	0	4.59632e-14
2	11.97108325578997	10.7179	11.97108325594244	10.7179	1.52468e-10
4	1.603636308289961	10.3674	1.603636308263445	10.3674	2.65161e-11
8	1.948795975816477	0.34516	1.948797763361605	0.345161	1.78755e-06
16	1.721266745883917	0.227529	1.721275339136368	0.227522	8.59325e-06

lambda = 0.37 k_u = 22.8637 k_w = 3.41779
 Eps = 0.005 a = 0.025 b = 0.25 c = 0.0025
 N_theta = 128 N = 24 N_r = 64

n	FE(P)	Err	TFE(P)	Err	Diff
0	1.25318241250441	0	1.253182412504364	0	4.59632e-14
2	11.97108325578997	10.7179	11.97108325594244	10.7179	1.52468e-10
4	1.603636308289961	10.3674	1.603636308263445	10.3674	2.65161e-11
8	1.948795975816477	0.34516	1.948797763361605	0.345161	1.78755e-06
16	1.721266745883917	0.227529	1.721275339136368	0.227522	8.59325e-06
20	1.720877230074273	0.000389516	1.721516116761472	0.000240778	0.000638887
24	1.720480903442502	0.000396327	1.721457486300729	5.86305e-05	0.000976583

Eps = a/10, \cos(8*\theta), OUT=WATER, IN=SILVER



The black point is the maximum value of DNO data. There is a big difference between FE and TFE.

lambda = 0.3875 k_u = 21.799 k_w = 2.77148
 Eps = 0.0025 a = 0.025 b = 0.25 c = 0.0025
 N_theta = 64 N = 16 N_r = 64

n	FE(P)	Err	TFE(P)	Err	Diff
0	1.210354021216885	0	1.210354021216792	0	9.25926e-14
2	3.481373271890101	2.27102	3.481373265642636	2.27102	6.24746e-09
4	2.644285028038841	0.837088	2.633537216442172	0.847836	0.0107478
8	2.563745050094514	0.08054	2.386786362653798	0.246751	0.176959
16	13.7218584661541	11.1581	2.225590119856692	0.161196	11.4963

Increase N to 24

n	FE(P)	Err	TFE(P)	Err	Diff
0	1.210354021216885	0	1.210354021216792	0	9.25926e-14
2	3.481373271890101	2.27102	3.481373265642636	2.27102	6.24746e-09
4	2.644285028038841	0.837088	2.633537216442172	0.847836	0.0107478
8	2.563745050094514	0.08054	2.386786362653798	0.246751	0.176959
16	13.7218584661541	11.1581	2.225590119856692	0.161196	11.4963
20	4.804761546058774	8.9171	2.227441479239038	0.00185136	2.57732
24	4.10503488514615	0.699727	2.227341193552773	0.000100286	1.87769