

$d_1 = 0.4 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	70.34 0.0993	71.75 0.1015	73.24 0.1038	74.81 0.1063	76.47 0.1089
10.0	<b>69.07 0.0849</b>	70.37 0.0866	71.77 0.0888	73.22 0.0907	74.74 0.0927
11.0	67.94 0.0744	69.16 0.0758	70.45 0.0772	71.79 0.0788	73.21 0.0803
12.0	66.87 0.0662	<b>68.04 0.0673</b>	69.25 0.0685	70.52 0.0698	71.85 0.0711
13.0	65.86 0.0595	66.97 0.0605	68.12 0.0616	69.33 0.0626	70.59 0.0638
14.0	64.87 0.054	65.93 0.0549	<b>67.04 0.0558</b>	68.2 0.0568	69.4 0.0577
15.0	63.91 0.0494	64.93 0.0502	65.99 0.051	<b>67.1 0.0518</b>	68.25 0.0527
16.0	62.94 0.0454	63.93 0.0461	64.96 0.0469	<b>66.03 0.0477</b>	67.13 0.0484
17.0	62.0 0.0421	62.95 0.0427	63.94 0.0433	64.96 0.044	<b>66.02 0.0447</b>
18.0	<b>61.05 0.0392</b>	61.97 0.0397	62.93 0.0403	63.91 0.0409	64.94 0.0415
19.0	60.1 0.0366	60.99 0.0371	61.92 0.0377	62.87 0.0382	63.86 0.0388
$d_1 = 0.5 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	42.31 0.0524	42.95 0.0531	43.62 0.0539	44.31 0.0547	<b>45.04 0.0556</b>
10.0	41.73 0.0462	42.35 0.0468	42.99 0.0475	43.65 0.0482	44.34 0.0489
11.0	41.19 0.0413	41.79 0.0418	42.4 0.0424	<b>43.04 0.043</b>	43.7 0.0436
12.0	40.67 0.0373	41.24 0.0378	41.84 0.0383	42.45 0.0388	<b>43.09 0.0393</b>
13.0	40.15 0.034	40.71 0.0344	41.29 0.0349	41.88 0.0353	42.49 0.0358
14.0	39.64 0.0312	40.19 0.0316	40.74 0.032	41.32 0.0324	41.91 0.0328
15.0	39.13 0.0288	39.66 0.0291	40.2 0.0295	40.76 0.0299	41.34 0.0303
16.0	38.62 0.0267	39.13 0.0271	39.66 0.0274	40.21 0.0277	40.77 0.0281
17.0	38.11 0.025	38.6 0.0252	39.12 0.0256	39.65 0.0259	40.2 0.0262
18.0	37.58 0.0234	<b>38.07 0.0236</b>	38.57 0.0239	<b>39.09 0.0242</b>	39.62 0.0245
19.0	<b>37.05 0.022</b>	37.52 0.0222	<b>38.02 0.0225</b>	38.52 0.0228	<b>39.04 0.023</b>
$d_1 = 0.6 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	28.38 0.0341	28.76 0.0346	29.16 0.035	29.56 0.0354	29.98 0.0359
10.0	<b>28.06 0.0304</b>	28.43 0.0307	28.81 0.0311	29.2 0.0315	29.6 0.0319
11.0	27.75 0.0274	28.11 0.0277	28.48 0.028	28.86 0.0283	29.25 0.0287
12.0	27.45 0.0249	27.8 0.0252	28.16 0.0254	28.52 0.0258	28.9 0.0261
13.0	27.14 0.0227	27.48 0.023	27.83 0.0233	28.19 0.0235	28.56 0.0238
14.0	26.83 0.021	27.17 0.0212	27.51 0.0214	27.86 0.0217	28.22 0.022
15.0	26.52 0.0194	26.84 0.0197	27.18 0.0199	27.53 0.0201	27.88 0.0203
16.0	26.2 0.0181	26.52 0.0183	26.85 0.0185	27.19 0.0187	27.53 0.0189
17.0	25.87 0.0169	26.19 0.0171	26.51 0.0173	26.84 0.0175	27.18 0.0177
18.0	25.54 0.0159	25.85 0.0161	26.17 0.0162	26.49 0.0164	26.82 0.0166
19.0	25.2 0.015	25.5 0.0151	25.81 0.0153	26.13 0.0155	26.45 0.0156
$d_1 = 0.7 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	20.42 0.0246	20.67 0.0248	20.93 0.0251	21.2 0.0254	21.47 0.0257
10.0	20.22 0.0219	20.46 0.0222	20.72 0.0224	20.98 0.0227	21.25 0.0229
11.0	<b>20.02 0.0198</b>	20.26 0.02	20.51 0.0202	20.76 0.0205	<b>21.03 0.0207</b>
12.0	19.82 0.018	<b>20.06 0.0182</b>	20.3 0.0184	20.55 0.0186	20.8 0.0189
13.0	19.62 0.0166	19.85 0.0167	<b>20.09 0.0169</b>	20.33 0.0171	20.58 0.0173
14.0	19.41 0.0153	19.64 0.0155	19.87 0.0156	20.11 0.0158	20.36 0.016
15.0	19.2 0.0142	19.42 0.0144	19.65 0.0145	19.89 0.0147	20.13 0.0148
16.0	18.98 0.0132	19.2 0.0134	19.43 0.0135	19.66 0.0137	19.9 0.0138
17.0	18.76 0.0124	18.97 0.0125	19.2 0.0127	19.43 0.0128	19.66 0.0129
18.0	18.53 0.0117	18.74 0.0118	18.96 0.0119	19.18 0.012	19.41 0.0122
19.0	18.29 0.011	18.5 0.0111	18.71 0.0112	18.93 0.0113	19.16 0.0115

$d_1 = 0.8 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	15.42 0.0188	15.6 0.019	15.79 0.0192	15.98 0.0194	16.18 0.0196
10.0	15.28 0.0168	15.46 0.017	15.64 0.0171	15.83 0.0173	<b>16.03 0.0175</b>
11.0	15.15 0.0152	15.32 0.0153	15.5 0.0155	15.68 0.0157	15.87 0.0158
12.0	<b>15.01 0.0139</b>	15.18 0.014	15.36 0.0141	15.54 0.0143	15.72 0.0144
13.0	14.86 0.0127	15.03 0.0129	15.21 0.013	15.39 0.0131	15.57 0.0133
14.0	14.71 0.0118	14.88 0.0119	15.06 0.012	15.23 0.0121	15.41 0.0123
15.0	14.56 0.0109	14.73 0.0111	14.89 0.0112	15.07 0.0113	15.25 0.0114
16.0	14.4 0.0102	14.57 0.0103	14.73 0.0104	14.9 0.0105	15.08 0.0106
17.0	14.24 0.0096	14.4 0.0097	14.56 0.0098	14.73 0.0099	14.9 0.01
18.0	14.07 0.009	14.23 0.0091	14.39 0.0092	14.55 0.0093	14.72 0.0094
19.0	13.89 0.0085	14.05 0.0086	14.21 0.0087	14.37 0.0088	14.54 0.0089
$d_1 = 0.9 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	<b>12.07 0.0149</b>	12.21 0.0151	12.35 0.0153	12.49 0.0154	12.64 0.0156
10.0	11.97 0.0134	12.11 0.0135	12.25 0.0137	12.39 0.0138	12.53 0.0139
11.0	11.87 0.0121	12.01 0.0123	12.14 0.0124	12.28 0.0125	12.43 0.0126
12.0	11.77 0.0111	11.9 0.0112	12.04 0.0113	12.17 0.0114	12.32 0.0115
13.0	11.66 0.0102	11.79 0.0103	11.92 0.0104	12.06 0.0105	12.2 0.0106
14.0	11.55 0.0094	11.68 0.0095	11.81 0.0096	11.94 0.0097	12.08 0.0098
15.0	11.43 0.0088	11.56 0.0089	11.69 0.0089	11.82 0.009	11.96 0.0091
16.0	11.31 0.0082	11.44 0.0083	11.56 0.0084	11.7 0.0084	11.83 0.0085
17.0	11.19 0.0077	11.31 0.0078	11.44 0.0078	11.56 0.0079	11.7 0.008
18.0	11.06 0.0072	11.18 0.0073	11.3 0.0074	11.43 0.0075	11.56 0.0075
19.0	10.92 0.0068	11.04 0.0069	11.16 0.007	11.29 0.007	11.42 0.0071
$d_1 = 1.0 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	9.71 0.0123	9.82 0.0124	9.93 0.0125	10.05 0.0127	10.16 0.0128
10.0	9.63 0.011	9.74 0.0111	9.85 0.0112	9.96 0.0113	10.08 0.0115
11.0	9.56 0.01	9.66 0.0101	9.77 0.0102	9.88 0.0103	10.0 0.0104
12.0	9.48 0.0091	9.58 0.0092	9.69 0.0093	9.8 0.0094	9.91 0.0095
13.0	9.4 0.0084	9.5 0.0085	9.6 0.0086	9.71 0.0087	9.82 0.0087
14.0	9.31 0.0078	9.41 0.0079	9.52 0.0079	9.62 0.008	9.73 0.0081
15.0	9.22 0.0072	9.32 0.0073	9.42 0.0074	9.53 0.0075	9.63 0.0075
16.0	9.12 0.0068	9.22 0.0068	9.32 0.0069	9.43 0.007	9.53 0.007
17.0	9.03 0.0064	9.12 0.0064	9.22 0.0065	9.33 0.0065	9.43 0.0066
18.0	8.91 0.006	9.02 0.006	9.12 0.0061	9.22 0.0062	9.32 0.0062
19.0	8.81 0.0057	8.9 0.0057	9.0 0.0058	9.11 0.0058	9.21 0.0059
$d_1 = 1.1 \text{ M}$					
$\alpha_{1\rightarrow\phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	7.98 0.0104	8.08 0.0105	8.17 0.0106	8.26 0.0107	8.35 0.0108
10.0	7.92 0.0093	8.02 0.0094	8.11 0.0095	8.2 0.0096	8.29 0.0097
11.0	7.86 0.0084	7.95 0.0085	8.04 0.0086	8.13 0.0087	8.22 0.0088
12.0	7.8 0.0077	7.88 0.0078	7.97 0.0079	8.07 0.0079	8.16 0.008
13.0	7.73 0.0071	7.82 0.0072	7.9 0.0072	7.99 0.0073	8.09 0.0074
14.0	7.66 0.0066	7.75 0.0066	7.83 0.0067	7.92 0.0068	8.01 0.0068
15.0	7.59 0.0061	7.67 0.0062	7.75 0.0062	7.84 0.0063	7.93 0.0064
16.0	7.51 0.0057	7.59 0.0058	7.68 0.0058	7.76 0.0059	7.85 0.0059
17.0	7.43 0.0054	7.51 0.0054	7.59 0.0055	7.68 0.0055	7.76 0.0056
18.0	7.35 0.0051	7.43 0.0051	7.51 0.0052	7.59 0.0052	7.67 0.0053
19.0	7.26 0.0048	7.34 0.0048	7.42 0.0049	7.5 0.0049	7.58 0.005

$d_1 = 1.2 \text{ M}$					
$\alpha_{1\rightarrow\Phi}$	$\rho$				
	0.03	0.04	0.05	0.06	0.07
9.0	6.68 0.0089	6.75 0.009	6.83 0.0091	6.9 0.0092	6.98 0.0093
10.0	6.63 0.008	6.7 0.0081	6.78 0.0082	6.85 0.0082	6.93 0.0083
11.0	6.58 0.0073	6.66 0.0073	6.73 0.0074	6.8 0.0075	6.88 0.0075
12.0	6.53 0.0067	6.6 0.0067	6.67 0.0068	6.75 0.0068	6.82 0.0069
13.0	6.48 0.0061	6.55 0.0062	6.62 0.0062	6.69 0.0063	6.77 0.0064
14.0	6.42 0.0057	6.49 0.0057	6.56 0.0058	6.63 0.0058	6.71 0.0059
15.0	6.36 0.0053	6.43 0.0053	6.5 0.0054	6.57 0.0054	6.64 0.0055
16.0	6.3 0.005	6.36 0.005	6.43 0.005	6.5 0.0051	6.57 0.0051
17.0	6.23 0.0047	6.3 0.0047	6.36 0.0047	6.43 0.0048	6.5 0.0048
18.0	6.16 0.0044	6.23 0.0044	6.29 0.0045	6.36 0.0045	6.43 0.0045
19.0	6.09 0.0041	6.15 0.0042	6.22 0.0042	6.28 0.0043	6.35 0.0043