metal	model	permittivity	λ_{SPP}	$1/(2k_x)$	$1/k_{z,2}$	$1/k_{z,1}$
Ag	LD	−14.482 394 + 1.094 554 9i	610.697 74	17 445.210	25.519 443	370.714 59
	D	−16.858 544 + 0.437 509 47i	613.758 82	59 734.457	23.788 479	401.182 67
	BB	−14.450 240 + 1.192 870 8i	610.673 74	15 951.923	25.542 791	370.447 93
Au	LD	−9.800 141 8 + 1.964 878 0i	601.068 60	4387.3401	30.374 436	304.255 59
	D	−15.131 389 + 0.436 362 88i	611.551 37	47 737.089	25.018 552	378.733 95
	BB	−10.564 934 + 1.274 057 4i	602.593 32	7729.3255	29.441 776	313.537 65
Cu	LD	−12.396 527 + 2.414 549 3i	607.773 71	5893.7230	27.323 573	345.629 56
	D	−16.563 994 + 0.268 933 38i	613.406 42	93 612.064	23.986 659	397.370 62
	BB	−11.702 834 + 2.103 774 1i	606.104 34	5946.5877	28.065 616	334.195 14
Al	LD	−51.489 408 + 19.557 450i	627.416 96	15 226.507	13.671 516	753.914 89
	D	−29.554 545 + 0.732 949 15i	622.009 12	114 056.23	18.208 284	538.308 81
	BB	−51.407 136 + 18.436 834i	627.332 25	15 873.827	13.705 679	749.331 24
Be	LD	1.671 377 4 + 21.837 379i	634.390 45	2226.6293	30.988 050	712.730 36
	D	−6.494 693 9 + 0.133 881 98i	582.073 67	24 705.734	36.348 566	236.132 09
	BB	1.449 422 4 + 21.656 672i	634.271 47	2203.8901	30.962 115	705.773 65
Cr	LD	−7.018 143 2 + 29.847 831i	630.675 47	3138.8179	22.835 981	718.157 33
	D	−4.054 482 7 + 0.121 248 04i	549.346 88	8941.0966	43.412 900	176.121 28
	BB	−7.170 752 6 + 28.466 737i	630.423 86	3013.0091	23.177 307	698.283 08
Ni	LD	−9.507 637 0 + 14.842 249i	623.609 24	2015.2195	26.587 661	481.440 49
	D	−5.334 278 0 + 0.155 180 99i	570.475 12	13 541.529	39.305 373	209.774 94
	BB	−9.471 232 2 + 14.848 817i	623.633 49	2011.3379	26.611 947	481.551 06
Pd	LD	−14.242 111 + 15.286 525i	622.696 99	2738.5717	23.460 428	497.936 40
	D	−7.121 562 1 + 0.033 161 161i	586.692 90	122 757.99	34.989 825	249.185 35
	BB	−14.313 595 + 15.284 644i	622.689 21	2751.2694	23.422 021	498.185 96
Pt	LD	−11.949 433 + 19.298 242i	625.763 28	2598.1599	23.675 350	548.986 63
	D	−6.964 496 9 + 0.325 198 48i	585.730 21	11 938.333	35.311 409	246.239 02
	BB	−12.039 471 + 19.390 875i	625.785 46	2614.8775	23.604 599	550.297 19
Ti	LD	−5.817 938 4 + 12.945 915i	624.617 61	1503.8534	30.769 871	455.805 54
	D	−1.045 300 3 + 0.085 599 475i	219.257 53	31.849 445	33.355 928	36.586 357
	BB	−5.651 775 0 + 12.898 780i	624.764 68	1486.9156	30.977 774	455.743 42
W	LD	5.179 660 9 + 21.231 816i	636.683 12	2305.3248	34.138 264	789.032 66
	D	−8.368 441 1 + 0.306 018 35i	593.848 07	19 073.479	32.664 873	273.561 55
	BB	5.420 071 9 + 20.345 821i	637.146 91	2237.7505	35.229 112	786.831 92

Table Abbreviations	
metal	atomic symbol for the metal
model	theoretical model: D ↦ Drude, LD ↦ Lorentz-Drude, BB ↦ Brendel-Bormann
permittivity	complex permittivity ϵ, in farads per meter
λ_{SPP}	SPP wavelength normal to the interface, in nanometers
$1/(2k_x)$	1/e SPP propagation distance normal to the interface, in nanometers
$1/k_{z,2}$	1/e distance of evanescent decay into the metal, in nanometers
$1/k_{z,1}$	1/e distance of evanescent decay into air, in nanometers

Table 1: Physical properties of a vacuum-metal interface for various metals at $\lambda_0 = 632.800\,00\,\mathrm{nm}$.