

Table I

m	Extremal polynomials P for $\phi(x) = 1 + x $
1	1.0
2	$4.0x$
3	$6.9768501x^2 - 1.0$
4	$10.392305x^3 - 10.392305x$
5	$13.889998x^4 - 36.900361x^2 + 1.0$
6	$17.614678x^5 - 99.229356x^3 + 17.614678x$
7	$21.411366x^6 - 211.77494x^4 + 99.404353x^2 - 1.0$
8	$25.358580x^7 - 403.20602x^5 + 403.20602x^3 - 25.358580x$
9	$29.365943x^8 - 692.17341x^6 + 1221.0722x^4 - 201.25335x^2 + 1.0$
10	$33.485122x^9 - 1116.2572x^7 + 3189.5441x^5 - 1116.2572x^3 + 33.485122x$
11	$37.655346x^{10} - 1697.4134x^8 + 7235.2644x^6 - 4462.2666x^4 + 347.75003x^2 - 1.0$
12	$41.914185x^{11} - 2481.3769x^9 + 15067.717x^7 - 15067.717x^5 + 2481.3769x^3 - 41.914185x$
13	$46.217198x^{12} - 3492.7183x^{10} + 28857.986x^8 - 43102.021x^6 + 12477.487x^4 - 543.28842x^2 + 1.0$
14	$50.593432x^{13} - 4784.7605x^{11} + 52260.643x^9 - 111436.95x^7 + 52260.643x^5 - 4784.7605x^3 + 50.593432x$
15	$55.008544x^{14} - 6384.1591x^{12} + 89525.390x^{10} - 260260.29x^8 + 182227.81x^6 - 29245.167x^4 + 791.63654x^2 - 1.0$
16	$59.485946x^{15} - 8351.3837x^{13} + 147415.59x^{11} - 567901.37x^9 + 567901.37x^7 - 147415.59x^5 + 8351.3837x^3 - 59.485946x$
17	$63.998042x^{16} - 10714.754x^{14} + 233318.56x^{12} - 1156556.0x^{10} + 1577544.8x^8 - 610763.02x^6 + 60480.150x^4 - 1096.1024x^2 + 1.0$
18	$68.564278x^{17} - 13541.531x^{15} + 358568.85x^{13} - 2242807.1x^{11} + 4057566.4x^9 - 2242807.1x^7 + 358568.85x^5 - 13541.531x^3 + 68.564278x$
19	$73.161829x^{18} - 16861.354x^{16} + 534972.61x^{14} - 4137163.6x^{12} + 9639233.7x^{10} - 7266132.8x^8 + 1730436.5x^6 - 113920.08x^4 + 1459.6402x^2 - 1.0$
20	$77.807218x^{19} - 20747.984x^{17} + 780200.70x^{15} - 7354205.0x^{13} + 21645133.0x^{11} - 21645133.0x^9 + 7354205.0x^7 - 780200.70x^5 + 20747.984x^3 - 77.807218x$