

$$\cos(x) = f(x) - \frac{f''(x)}{2!} + \frac{f^{(4)}(x)}{4!} - \frac{f^{(6)}(x)}{6!} + \frac{f^{(8)}(x)}{8!} - \frac{f^{(10)}(x)}{10!} + \frac{f^{(12)}(x)}{12!} - \frac{f^{(14)}(x)}{14!} + \frac{f^{(16)}(x)}{16!} - \frac{f^{(18)}(x)}{18!} + \frac{f^{(20)}(x)}{20!} - \frac{f^{(22)}(x)}{22!} + \frac{f^{(24)}(x)}{24!} - \frac{f^{(26)}(x)}{26!} + \frac{f^{(28)}(x)}{28!} - \frac{f^{(30)}(x)}{30!} + \frac{f^{(32)}(x)}{32!} - \frac{f^{(34)}(x)}{34!} + \frac{f^{(36)}(x)}{36!} - \frac{f^{(38)}(x)}{38!} + \frac{f^{(40)}(x)}{40!} - \frac{f^{(42)}(x)}{42!} + \frac{f^{(44)}(x)}{44!} - \frac{f^{(46)}(x)}{46!} + \frac{f^{(48)}(x)}{48!} - \frac{f^{(50)}(x)}{50!} + \frac{f^{(52)}(x)}{52!} - \frac{f^{(54)}(x)}{54!} + \frac{f^{(56)}(x)}{56!} - \frac{f^{(58)}(x)}{58!} + \frac{f^{(60)}(x)}{60!} - \frac{f^{(62)}(x)}{62!} + \frac{f^{(64)}(x)}{64!} - \frac{f^{(66)}(x)}{66!} + \frac{f^{(68)}(x)}{68!} - \frac{f^{(70)}(x)}{70!} + \frac{f^{(72)}(x)}{72!} - \frac{f^{(74)}(x)}{74!} + \frac{f^{(76)}(x)}{76!} - \frac{f^{(78)}(x)}{78!} + \frac{f^{(80)}(x)}{80!} - \frac{f^{(82)}(x)}{82!} + \frac{f^{(84)}(x)}{84!} - \frac{f^{(86)}(x)}{86!} + \frac{f^{(88)}(x)}{88!} - \frac{f^{(90)}(x)}{90!} + \frac{f^{(92)}(x)}{92!} - \frac{f^{(94)}(x)}{94!} + \frac{f^{(96)}(x)}{96!} - \frac{f^{(98)}(x)}{98!} + \frac{f^{(100)}(x)}{100!}$$