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t21 := 2*i;
t27 := t21 + 1;
t26 := 423096997^(1 / 2)*383096997^(1 / 2);
t19 := 1 + 1 / 2;
t25 := -n - 2*i - 1;
t22 := 2*j;
t20 := cos(phi);
s1 := 0;
for i1 from 0 to 100 do
  if 0 < -i1 then s2 := 0
  else
    t2 := 1 / 4;
    s2 := t2 / Gamma(t29);
    for i2 to i1 do t2 := -1 / 4*t2; s2 := s2 + t2 / Gamma(-i2 + t29) end do;
    s3 := 0;
    for i3 from 0 to 100 do s3 := s3 + ((383096997 / 10000000)^t25*2^t27*
      (423096997 / 10000000)^(-i3)*Gamma(t21 + t28)*(i1 + 1 / 2*i3 + 1 / 2*n - 1 / 4)*
      hypergeom([t19, 3 / 2 + t25], [i3 + 3 / 2], 40000000 / 423096997)
      + 1 / 766193994*(383096997 / 10000000)^(1 / 2 + t25)*Gamma(t19 + t28)*Gamma(t19)*t19*t26) /
      Gamma(i3 + t30)^2
    end do;
    s3 := 4*(28749 / 10000)^t21*Gamma(t22 + t27)*t20^t21*s3 / (Gamma(t21 + 2)*(2*n + 4*i1 + t21 - 1));
    s2 := t20^t22*s3*s2 / Gamma(t30)
  end if;
  s1 := s1 + s2
end do;
s1 := (1575818937 / 100000000)^t23*s1 / Gamma(t29);
result := 1575818937 / 2644356231250000*pi^2*s1*t26 / Gamma(n)

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end proc

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[ > #Digits:=50;
[ > eval(a*b(-A*K(3,Pi/6)+B*K(6,Pi/6)), params);
[ > evalf(eval(a*b(-A*K(3,Pi/6)+B*K(6,Pi/6)), Params));
[ > Digits:=15;

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0.295315640000000

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0.295315640000000

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Digits := 15

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