



$$\begin{array}{ll} \cos(312) & (4.4) \\ \widetilde{\alpha} = \frac{360}{6} = 45 & \widetilde{J} = \frac{5.135}{8} = 641.875 \\ 3 & (312.850) - 360(5.135) \\ 3 & (312.850) - 360(5.135) = 19.49024 \\ 3 & (20.400) - (360)^2 \\ 3 & (36.3)^2 & (36.3)^2 \\$$

예제 14.5

$$S_{3} = \sqrt{\frac{1,508,299}{8-1}} = 508.26$$

$$S_{3/x} = \sqrt{\frac{216,118}{8-2}} = 189.99$$

$$F^{2} = \frac{1,868,299}{1,808,299} = 216,118 = 0.8805$$

$$522$$

$$F = \sqrt{0.8805} = 0.9383 \Rightarrow 482520 8820586$$

예제 14.6

$$\frac{1}{4} = \frac{(2.606)}{8} = 1.5757$$

$$\frac{1}{8} = \frac{24515}{8} = 2.5644$$

$$a_1 = 1.9842$$

$$\frac{1}{9} = -0.5620$$

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$$\frac{1}{9} = -0.5620$$

$$\frac{1}{9} = \frac{1.9842}{9}$$

$$\frac{1}{10} = \frac{1}{10}$$

$$\frac{1}{10} = \frac{1}{1$$

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case study
>> S=[1.3 1.8 3 4.5 6 8 9];
>> v = [0.07 0.13 0.22 0.275 0.335 0.35 0.36];
>> [a,r2] = linregr(1./S, 1./v)
a =
  16.40224 0.19022
r2 = 0.93441
>> vm=1/a(2)
vm = 5.2570
\gg ks = vm*a(1)
ks = 86.226
>>
>> [a,r2]=linregr(1./S.^2,1./v)
a =
  19.3760 2.4492
r2 = 0.99293
>> vm=1/a(2)
vm = 0.40829
>> ks=sqrt(vm*a(1))
ks = 2.8127
```