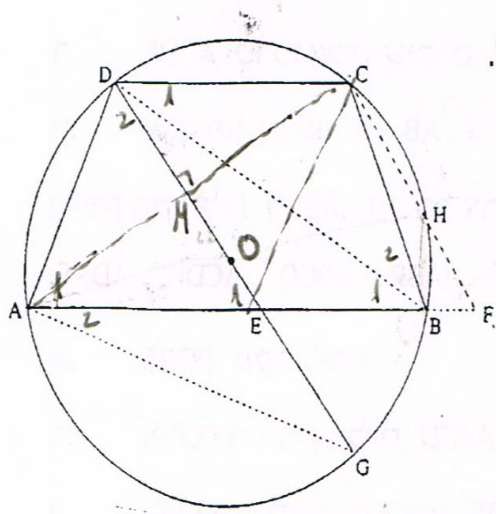


גל

0.13
6

$\angle B_2 = \angle D_1 = \alpha$ (נניח)
 $\angle D_1 = \angle B_2 = \alpha$
 (נניח שיתן (א) את $\angle A_1$) $\angle C = 2\alpha = \alpha$
 $\angle A = 90^\circ$
 $\angle D_2 = 90 - \alpha$
 $\angle A_2 = \angle D_1 + \angle B_2 = 2\alpha$
 $\angle A_2 = 90 - 2\alpha$
 כל $\angle A_1 = \angle E_1 = \alpha$ $\iff \angle E_1 = 90 - \alpha$



נניח $\angle A_1 = \alpha$ $\iff \angle E_1 = \alpha$ $\iff \angle E_1 = 90 - \alpha$ (נניח)
 $\angle A_2 = 90 - 2\alpha$
 $\angle C = 2\alpha$
 $\angle D_2 = 90 - \alpha$
 $\angle B_2 = \alpha$
 $\angle D_1 = \alpha$

$ADCE \iff AE \parallel DC$ $\iff AD = AE$ $\iff AD = DC$ (2)
 $AC \perp DE$
 $D C F E \iff DC = AE = EF$
 $DC \parallel EF$
 $DE \parallel CF$
 $\angle A_1 = \alpha$ $\iff \angle E_1 = \alpha$ $\iff \angle E_1 = 90 - \alpha$ (נניח)