SECTIONS OF QUADRIC SURFACES PIERCING POINTS OF QUADRIC SURFACES BY A LINE

PROBLEMS		
49	50	51



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49. Determine a plane tangent to the sphere's surface. Point of tangency should be one of two points of intersection of the sphere pierced by the straight line **m**.



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 $A = \alpha \cap d$, $B = \alpha \cap f$, $k_{\alpha\gamma}(A,B)$

 $k_{\alpha\gamma} = \gamma \cap \alpha, \quad m = \kappa \cap \alpha, \quad \{P_{\gamma}, P_{\gamma}\} = \kappa \cap d$

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50. Determine points of intersection of the cone's surface pierced by the straight line **d**.



51. Find points of intersection of the cylindrical surface pierced by the straight line **m**.

