

middle points is the polar of the centre. If from any point on (rt) tangents be drawn to circle and the two conics, points of taction lie on a right line passing through o , and anharmonic ratio of any four points on rt is = that of lines drawn from o to points of taction where tangents drawn from the four points on (rt) touch either conic.

ON SOME QUESTIONS IN RELATION TO THE THEORY OF THE STRUCTURE OF PLANTS OF THE ORDERS BRASSICACEÆ AND PRIMULACEÆ.

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The title of my paper embraces two distinct Botanical notes or topics which would appear interesting to the theoretical Botanist who has had some experience in such studies, but which would hardly at all have engaged the attention of most practical students of the science, and which it may almost seem hopeless to attempt making intelligible to those who do not make Botany a pursuit, yet it appears to me that as we all profess an interest in the advancement of science, and as our society is formed on the plan of social meetings for mutual entertainment and improvement as well as for endeavouring to produce something that may be useful beyond our own circle—it must be right that whilst I only bring before you what I hope may either possess some novelty, or at least contribute something towards a just decision on disputed points—I should endeavour to bring it forward in such a manner that all who desire various information may understand the question under discussion and the opinions proposed for their acceptance—I am afraid indeed that after all many will think the subject little worth their notice; I venture however to assure them, that inquiries of this kind are deemed of some importance as well as curiosity, so that if I were so fortunate as to contribute any thing towards clearing either of the doubtful points about to be examined, I should find many to agree with me, that the labour would not be wasted. I have only reason to fear