Q&A Report:	Desperately Seeking Synergy
"Question Asked"	Answer Given
Which Design of Experiment Software do you like the most? Which one is used with the most frequency in industry?	*My preference is for "pure miture" and "mixture amount" experimenst is StatEase followed by JMP. They are also the ones I am most familiar with. I am not trying to promote either of these or th eothers I mention in my presentation, I do not know which is used most frequently.*
Are these software available for free or require a cost?	*I believe they still offer free trials but no freebies that I am aware of.*
Which software is more effective? Minitab or JMP	*Not familiar with Minitab.*
Is there minimum percentages?what is the minimum percentage that i should include to run the software	*You set the parameters based on some funndamental knowledge of the ingredients you are working with. The only true constranits are that 1) no ingredient can be used at a negative percent (should be obvious) 2) sum of all ingredints being investtigated must equal to 1 (100%). YOu can not use DOE to predict perfomance outside of the percentages used.*
Is JMP useful for cosmetics formulation?	*Yes*
How synergy can be useful in optimizing active cosmetics ingredients?	*Look for synergies with solubilizers, spreading agents, skin penetrents, We have used it to optimize the monomer ratios in polmmers and I suspect you can do the same with the components of the active itself.*
How we can learn this techniques for cosmetics formulation? Is there any guidelines available.?	*StatEase and I suspect others have many online turtorials available,*
How were the thickeners added?	*That certainly makes a difference. I followed what was in th earticle provided in the references slide.*
Where both thickeners mix together added to the batch?	*As I recall Thicken A , Thickenr B and water composed the entire batch.*
Is there an app for DOE you can download?	*Not that I am aware of.*