I Integration Testing

�’ What are the goals of integration testing [see previous supplemental slides]

�’ What is the purpose of Infuse?

➢ What is the basic data structure? How is it used? How is it decomposed?

➢ What do you find at the leaves of the structure? What is done there? What is needed to effectively make and test changes? When is work complete at that level? What is the structure at the leaves?

➢ How does integration work? What happens which components are integrated? What happens when things go wrong? When are you done? What is there new at this level? What is the structure here? What is the criteria for selecting regression tests?

➢ When is integration testing done? What happens next?

II Regression Testing

Don't get bogged down in details – the point is to get a good overview of different regression testing techniques

➲ **What regression testing? Why is it important?**

➲ **What is the simplest regression test strategy?**

➲ **Where would Infuse fit in to their discussion [since they don't include it ☺]?**

  ↬**Is it a safe technique? What are its advantages?**

➲ **What are various techniques use in regression test selection? What are the critical issues?**

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III Regression Testing

➲ **Regard the experiment as an example of good SE empirical work to answer important questions. Pay attention to the validity discussion**

➲ **What are the various cost-benefit tradeoffs? Why are they important?**

➲ **What are the important findings in this paper?**

➲ **Thought question: would the costs-benefits tradeoffs be different in a 5ESS environment with significant set up costs in terms of time than in a completely automated context? How and Why? Or How and Why not?**