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## SEC10 Seminar Talk, Self-Assessment Edward Speer November 29, 2024

Q: What was the FINAL title of your talk?

Transforming Climate Science: The Secret Sauce of Radiative Transfer

Q: If you had to do your Seminar Talk again, what three things would you do differently?

- (1) I feel that while most of my presentation was very clear, my explanation of the formula for the TwoStream scheme was a bit hard to follow for the audience. The graphics were very clear on the slides, but I think I could have done a better job explaining exactly how the equation worked.
- (2) I would have liked to talk just a bit about the implementation of the equations in the CliMA software. I cut any discussion about the code implementation for the sake of time, but I think it might have been interesting for the audience to see how the equation is turned from what seems like should be iteration into matrix based operations for speed in my code. Maybe I could have spent a bit less time on the theory and more on the implementation, though it would be tough for the audience to follow the implementation without sufficient discussion of the theory.
- (3) I think while I was talking I could have spoken more about the material appearing in the slides. I kept my eyes off the text on the slides and spoke at a high level, but there were some points on the slides that I could have elaborated on in the theory section. For example, I didn't describe what the solar zenith angle or leaf angular distributions were, despite the fact that they are important parameters of the radiative transfer equation. Had I stuck just a bit more to the text on the slides, I wouldn't have glossed over them. Whether or not everything on the slides needed to be said, planning in advance those parts that I needed to make sure were said would have been helpful i.e laying out the key elements of the story I wanted to tell in advance would ensure I didn't skip any of them.