

2.5: S-Matrices

Why are S-matrices more numerically stable than T-matrices?

- A. They are unitary, i.e., $S^\dagger S = 1$
- B. They have exponentially shrinking solutions
- C. They are linearly independent
- D. They are broken up into an interface matrix and a propagation matrix
- E. They are equal to the identity matrix, i.e., $S = 1$