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LabPhysics_IS5_20151116_Seg54.pdf

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Setting:

physics lab

Participants:

IS5 (female, black sweater), S1 (female, red hair and green shirt), S2 (female, in pink), S3 (Asian girl with green jacket), S4 (female, blonde hair and green jacket)

0:00

Xxx S1: this squared times this squared?

Xxx IS5: no uh-

Xxx this square of this one over-

Xxx relative of Q,

xxx plus relative error of W,

Xxx [and

Xxx S2: [yea divide

Xxx IS5: yea

Xxx dividing same with-

Xxx S2: yea cause it's still a ratio.=

Xxx IS5: =yes

Xxx ((gives thumbs up))

Xxx S2: wow I learn so much from you!

Xxx ((girl approaches IS5 and she goes to write

Xxx something on the board))

2:11

Xxx S3: W?

Xxx wait

Xxx IS5: W mean ((unclear))?

Xxx S3: yea I know I know I know.

Xxx I mean force ((unclear)).

Xxx IS5: no no not over-

Xxx this is just for W Q sorry.

Xxx S3: I I know

Xxx (calculate W over Q)

Xxx IS5: yes this is W Q error and that's

Xxx W water ((unclear))

Xxx S3: so this is ((unclear))

Xxx IS5: yea and this is water

Xxx ((talks really fast))

Xxx water cup

Xxx brass cup sorry

Xxx this is thermometer,
Xxx mass of thermometer,
Xxx and specific heat of thermometer,
Xxx and-
Xxx S3: oh
Xxx IS5: right
Xxx and the (.) stir rod
Xxx is it clear?
Xxx ((S3 walks away))
3:06
Xxx S4: ((unclear)) errors
Xxx IS5: for work this is the ((unclear)) for work
Xxx S4: this is the (ΔQ)?
Xxx IS5: yes for ΔQ .
Xxx S4: and how about for (work)
Xxx IS5: and for each of them,
Xxx (this is for Q cup)
Xxx this is mass of ((unclear)) density,
Xxx (specific density error for) the ΔT ,
xxx S4: that's one ok
xxx IS5: so it should be 1.4
xxx S4: for ΔT ?
xxx IS5: yea because ((starts writing))
xxx ΔT equals to $T_{\text{final}} - T_{\text{I}}$,
xxx so ΔT equals to,
xxx T_{final} , ((mumbles))
xxx (1 square root 2)
xxx cause you didn't measure the ((unclear))
xxx you get it by calculation so.