

Due Lecture 8

Verify the line constant data for Boise Bench to Lower Malad 138 KV line. Determine the positive and zero sequence resistance and inductance for this line using three sections: Boise Bench to Luck Peak – 12.18 mi, Lucky Peak to Mountain Home Junction – 35.79 mi, and Mountain Home Junction to Lower Malad – 44.40 mi.

Line data not previously supplied:

Conductor	Resistance / mile	diameter – in	GEM – ft
250MCM CU	0.235	0.574	0.01813
3/8 EHS Shield	4.3	0.375	0.01242

Identify differences (in percent) between your results and the data published for these line segments.