

Empirical depth of investigation of an ER experiment

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1 Types of arrays

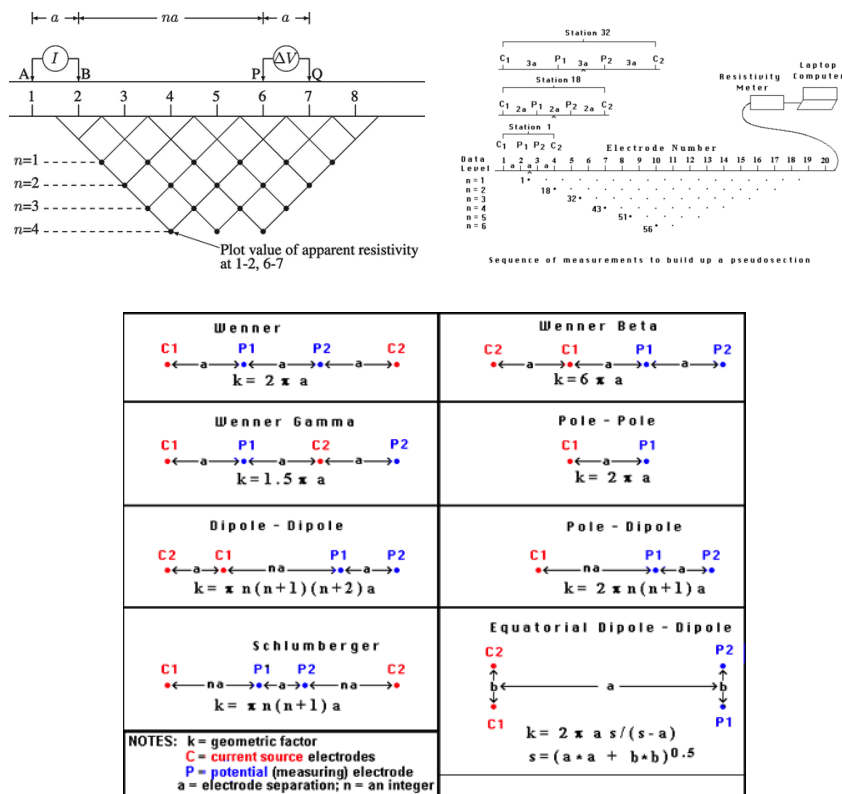


Figure 1: **a)** and **b)**: Dipole-dipole and Wenner array configurations. **c)** Other type of configurations.

2 In general

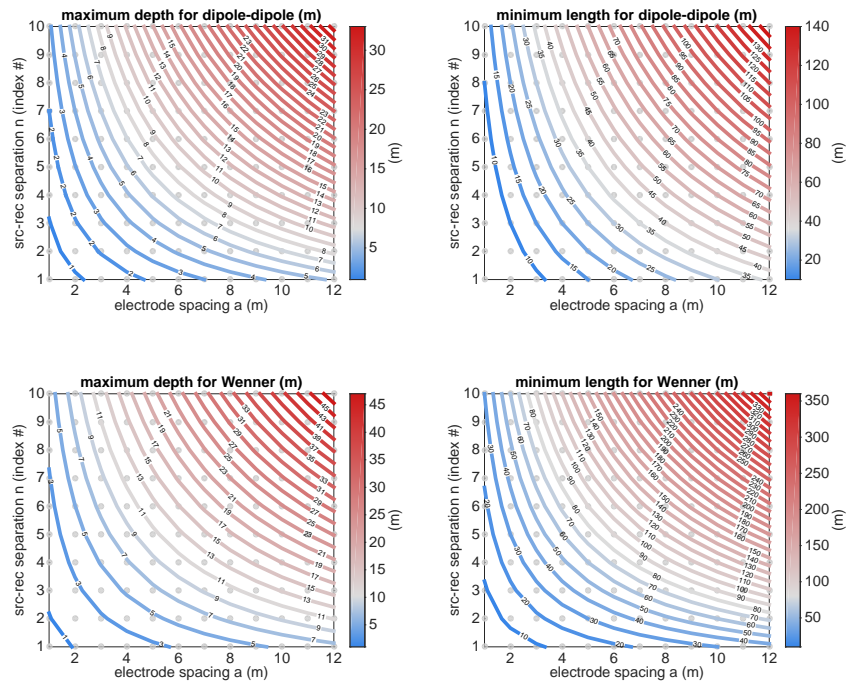


Figure 2: **a)** and **b)**: Maximum depth of investigation for dipole-dipole and Wenner arrays as a function of spacings a and levels n . **c)** and **d)**: Minimum length of survey needed to acquire maximum depth.

3 Example for an 18m long survey

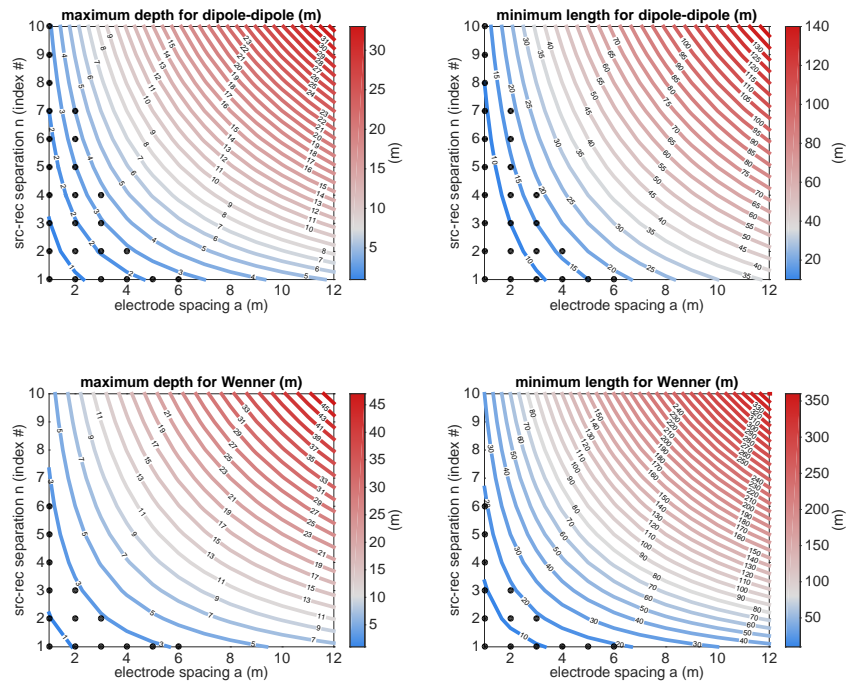


Figure 3: Only black dots are taken into account when doing a survey 18m in length. **a)** and **b)**: Maximum depth of investigation for dipole-dipole and Wenner arrays as a function of spacings a and levels n . **c)** and **d)**: Minimum length of survey needed to acquire maximum depth.