

IX1D v 2

Cost-Effective 1D Sounding Interpretation

- Graphics and Spreadsheets adapted for each method
- Model Spreadsheet has forward, and inverse calculation buttons

Resistivity Model

Surface Elevation: 375.35 Fitting Error: 2.4062

Use Depth Instead of Thickness Units: [meters]

#	Rho	Fix?	Thick	Depth	Elev	Fix?
1	504.76	<input type="checkbox"/>	411.36	411.36	-36.012	<input type="checkbox"/>
2	420.74	<input type="checkbox"/>	2297.6	2709.0	-2333.6	<input type="checkbox"/>
3	21.751	<input type="checkbox"/>	11103.	13812.	-13437.	<input type="checkbox"/>
4	1732.7	<input type="checkbox"/>				<input type="checkbox"/>
5		<input type="checkbox"/>				<input type="checkbox"/>
6		<input type="checkbox"/>				<input type="checkbox"/>
7		<input type="checkbox"/>				<input type="checkbox"/>
8		<input type="checkbox"/>				<input type="checkbox"/>
9		<input type="checkbox"/>				<input type="checkbox"/>
10		<input type="checkbox"/>				<input type="checkbox"/>
11		<input type="checkbox"/>				<input type="checkbox"/>

 Column Math:

Voltage and Current Entry/Edit

Data Set Name: Default Data Units: [meters]

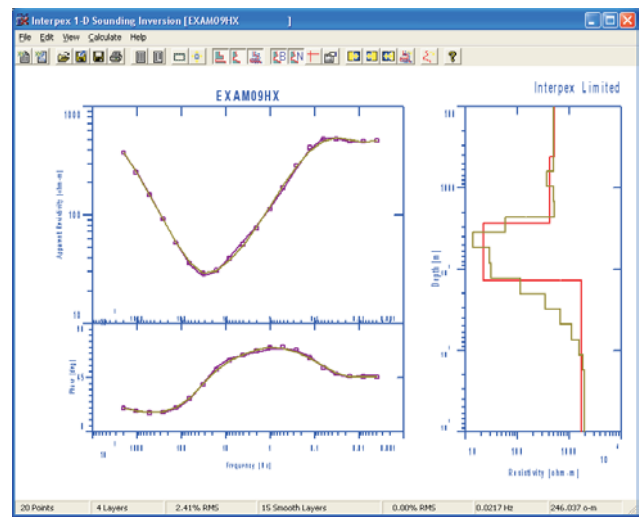
Easting: 0.0 Northing: 0.0 Elevation: 0.0

Azimuth: 0.0 (deg) (0 is North)

Use Masked Points? Schlumberger Array

No.	AB/2	MN	V (mV)	I (mA)	V/I	App. Resistivity	Mask?
1	4.0000	0.8	72.000	28.000	2.571	159.95	<input type="checkbox"/>
2	5.0000	0.8	26.000	30.000	0.867	84.50	<input type="checkbox"/>
3	7.0000	0.8	10.000	28.000	0.357	68.50	<input type="checkbox"/>
4	10.0000	0.8	4.400	28.000	0.157	61.60	<input type="checkbox"/>
5	10.0000	1.5	7.800	28.000	0.279	58.00	<input type="checkbox"/>
6	15.0000	1.5	3.800	24.000	0.158	74.40	<input type="checkbox"/>
7	20.0000	1.5	1.750	20.000	0.087	73.20	<input type="checkbox"/>
8	30.0000	1.5	1.100	21.000	0.052	98.70	<input type="checkbox"/>
9	40.0000	1.5	0.600	20.000	0.030	100.50	<input type="checkbox"/>
10	40.0000	7.6	2.500	20.000	0.125	81.90	<input type="checkbox"/>
11	50.0000	7.6	3.250	39.000	0.083	85.60	<input type="checkbox"/>
12	70.0000	7.6	2.600	59.000	0.044	89.00	<input type="checkbox"/>
13	100.0000	7.6	1.140	50.000	0.023	94.10	<input type="checkbox"/>
14	150.0000	7.6	0.300	40.000	0.008	69.70	<input type="checkbox"/>

Column Math:



Apparent Resistivity Entry/Edit

Data Set Name: Demo

Easting: 90.0 Northing: 0.0 Elevation: 0.0

Azimuth: 0.0 (deg) (0 is North) Dipole Length: 15.0

Use Masked Points? Dipole-Dipole Array

No.	"n"	App. Resistivity	Mask?
1	1.00	575.00	<input type="checkbox"/>
2	2.00	1024.00	<input type="checkbox"/>
3	3.00	1376.00	<input type="checkbox"/>
4	4.00	1775.00	<input type="checkbox"/>
5	5.00	3301.00	<input type="checkbox"/>
6	6.00	5076.00	<input type="checkbox"/>
7	7.00	4980.00	<input type="checkbox"/>
8	8.00	4552.00	<input type="checkbox"/>
9			<input type="checkbox"/>
10			<input type="checkbox"/>
11			<input type="checkbox"/>
12			<input type="checkbox"/>
13			<input type="checkbox"/>
14			<input type="checkbox"/>
15			<input type="checkbox"/>

 Units: [meters]

Column Math:

Magnetotelluric Data Entry/Edit

Data Set Name: defaultmt Statics:

Easting: 0.0 Northing: 0.0 Elevation: 0.0 Mode: xy TE

Azimuth: 0.0 (deg) (0 is North) Magnetotelluric Data

Use Masked Points? Rotation:

Reference:

No.	Freq (Hz)	Resist	+/-	Mask?	Phase	+/-	Mask?
1	0.14652E-0	9.3600	0.0000	<input type="checkbox"/>	51.500	0.0000	<input type="checkbox"/>
2	0.23121E-0	9.5300	0.0000	<input type="checkbox"/>	52.700	0.0000	<input type="checkbox"/>
3	0.33613E-0	6.4700	0.0000	<input checked="" type="checkbox"/>	55.000	0.0000	<input type="checkbox"/>
4	0.50633E-0	10.200	0.0000	<input type="checkbox"/>	42.000	0.0000	<input checked="" type="checkbox"/>
5	0.72727E-0	4.8800	0.0000	<input checked="" type="checkbox"/>	55.900	0.0000	<input checked="" type="checkbox"/>
6	0.10256E-0	8.8900	0.0000	<input type="checkbox"/>	38.700	0.0000	<input type="checkbox"/>
7	0.12903E-0	9.6600	0.0000	<input type="checkbox"/>	40.600	0.0000	<input type="checkbox"/>
8	0.17391E-0	10.940	0.0000	<input type="checkbox"/>	40.400	0.0000	<input type="checkbox"/>
9	0.23529E-0	10.180	0.0000	<input type="checkbox"/>	42.000	0.0000	<input type="checkbox"/>
10	0.36364E-0	11.600	0.0000	<input type="checkbox"/>	42.400	0.0000	<input type="checkbox"/>
11	0.57143E-0	11.770	0.0000	<input type="checkbox"/>	42.500	0.0000	<input type="checkbox"/>
12	0.58017E-0	10.520	0.0000	<input type="checkbox"/>	43.300	0.0000	<input type="checkbox"/>
13	0.81920E-0	11.790	0.0000	<input type="checkbox"/>	43.500	0.0000	<input type="checkbox"/>

 Units: [meters]

Column Math:

