

# ANEXOS



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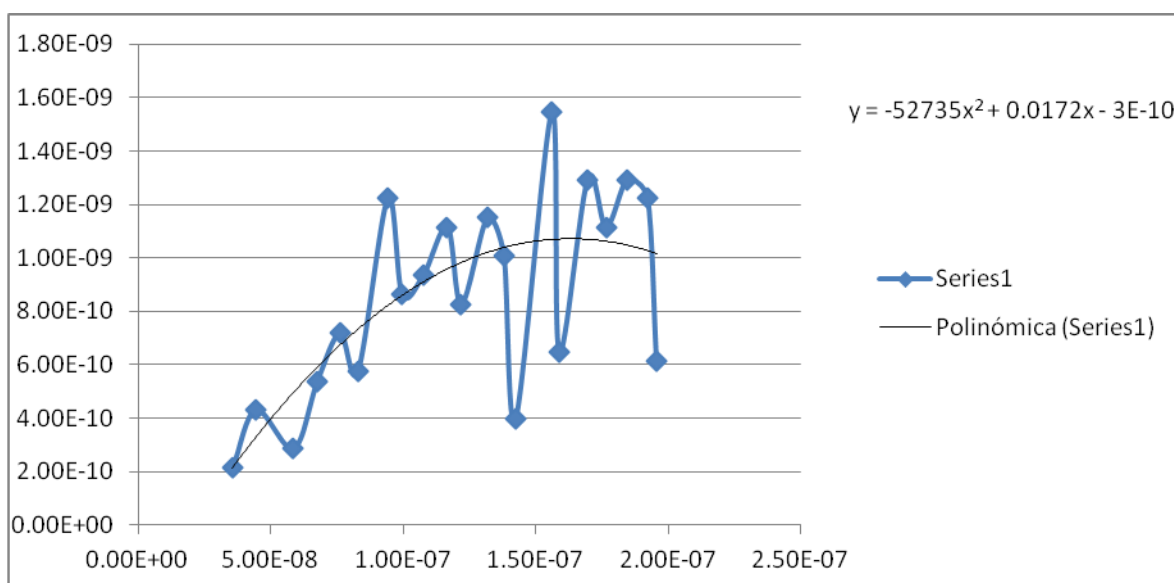
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## Anexo N°1

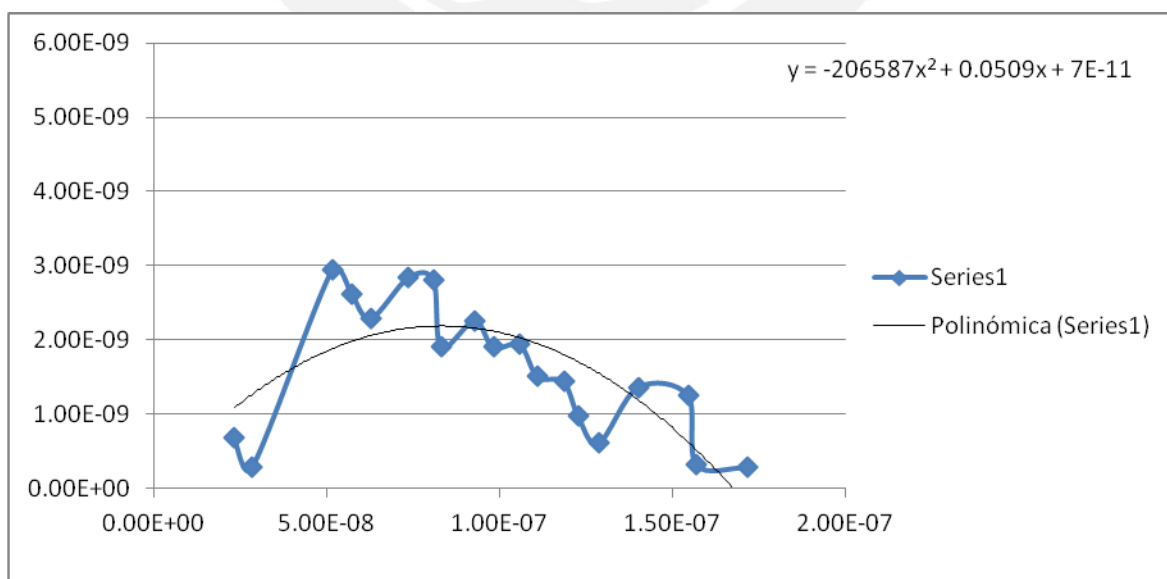
Gráficos "F vs d" para las 32 indentaciones del Ensayo N°1 en la muestra E.3.3.

Ensayo N°1.- Se muestran las gráficas para cada indentación del ensayo N°1 en la muestra E.3.3 a lo largo de las rectas mostradas y la expresión para cada curva.

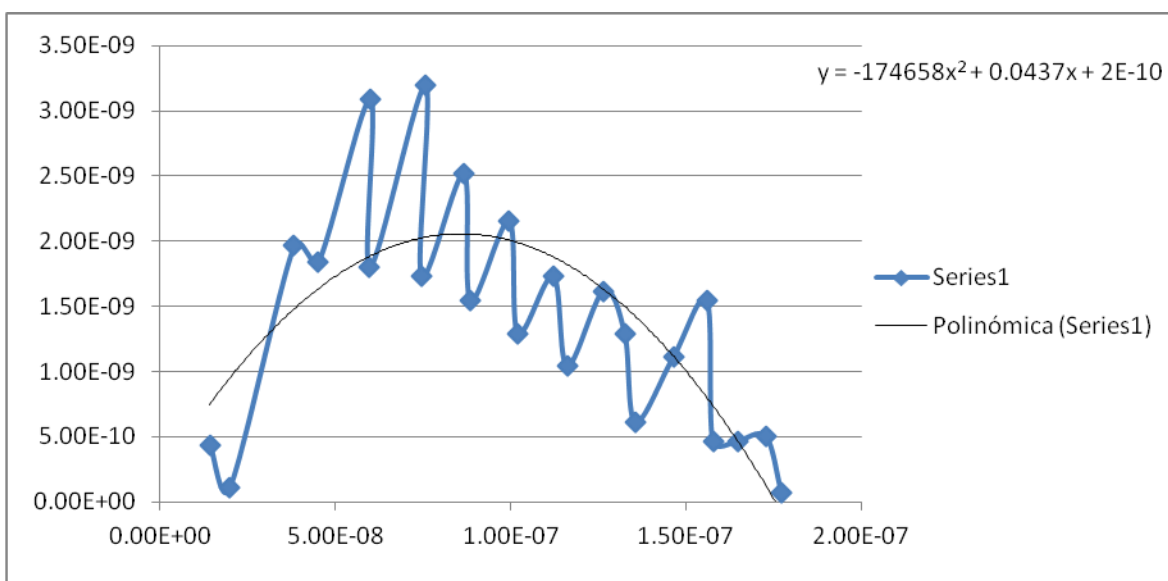
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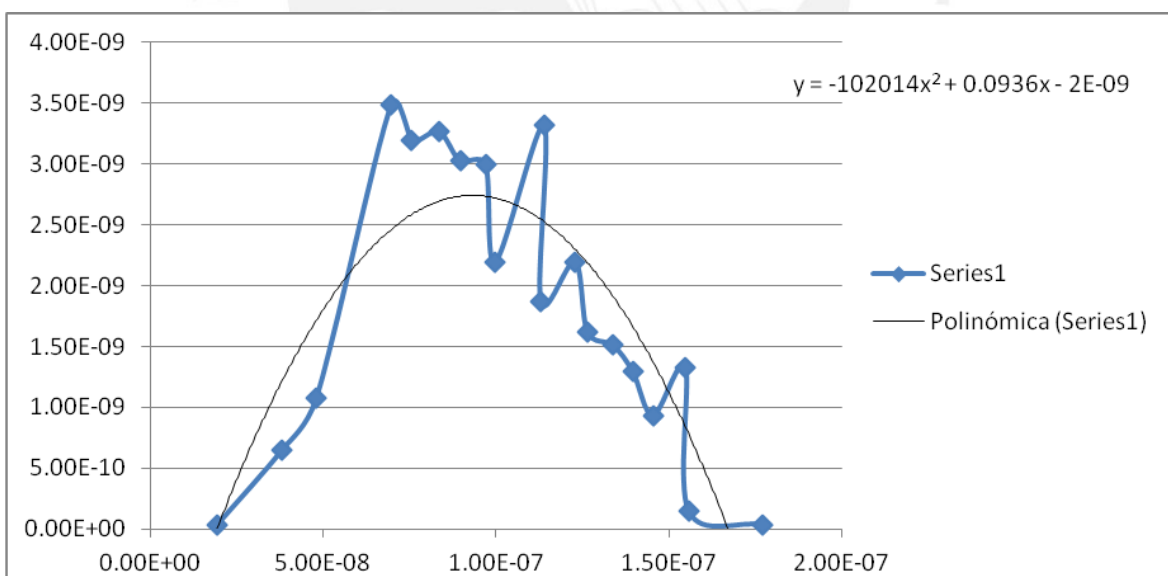
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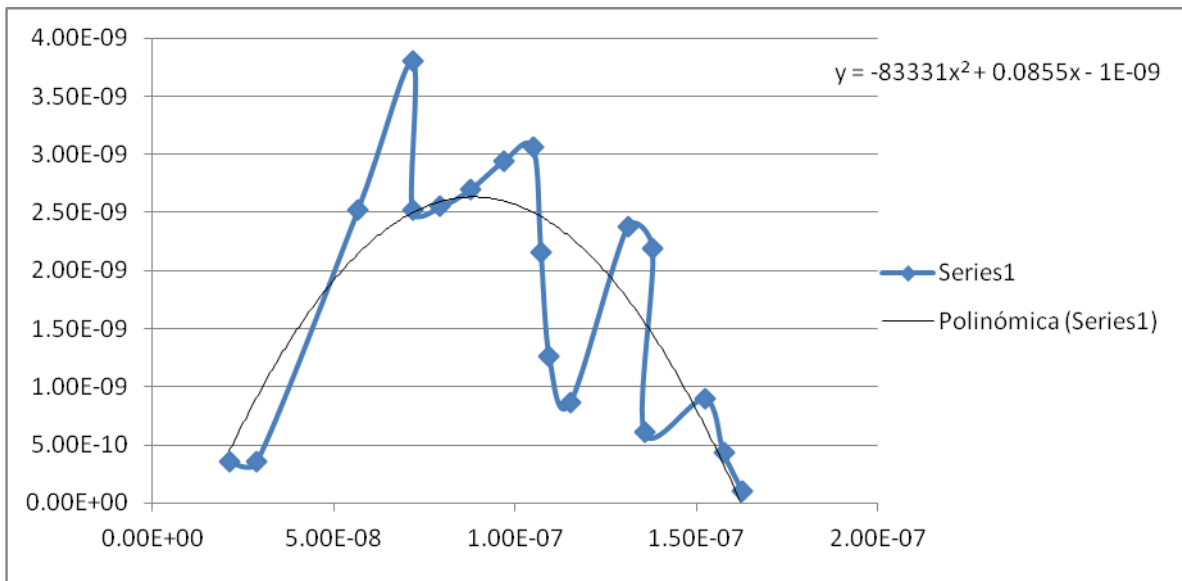
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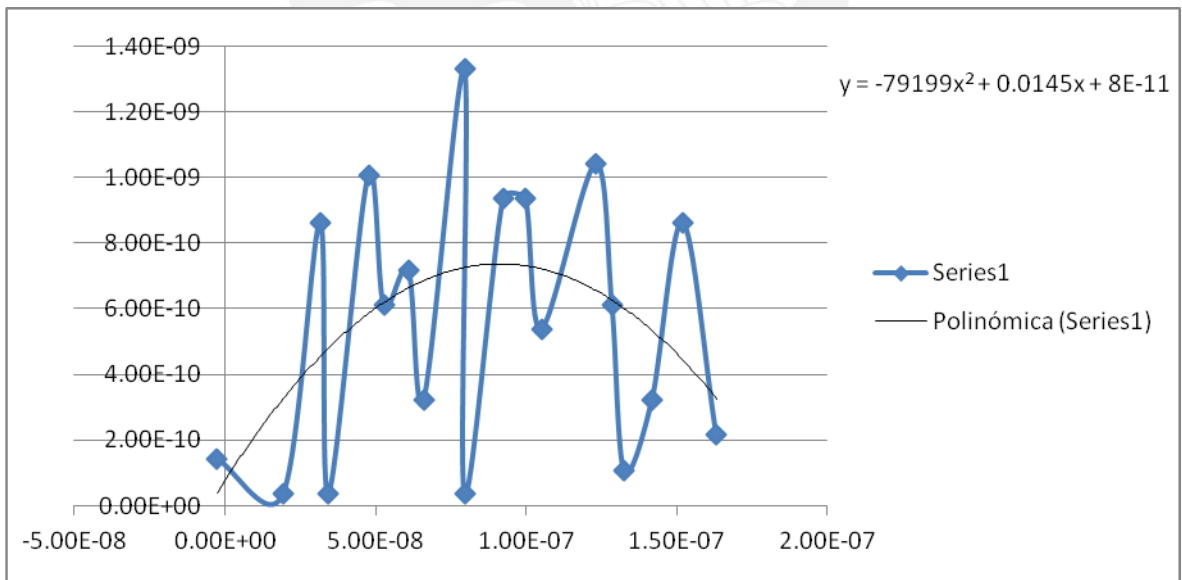
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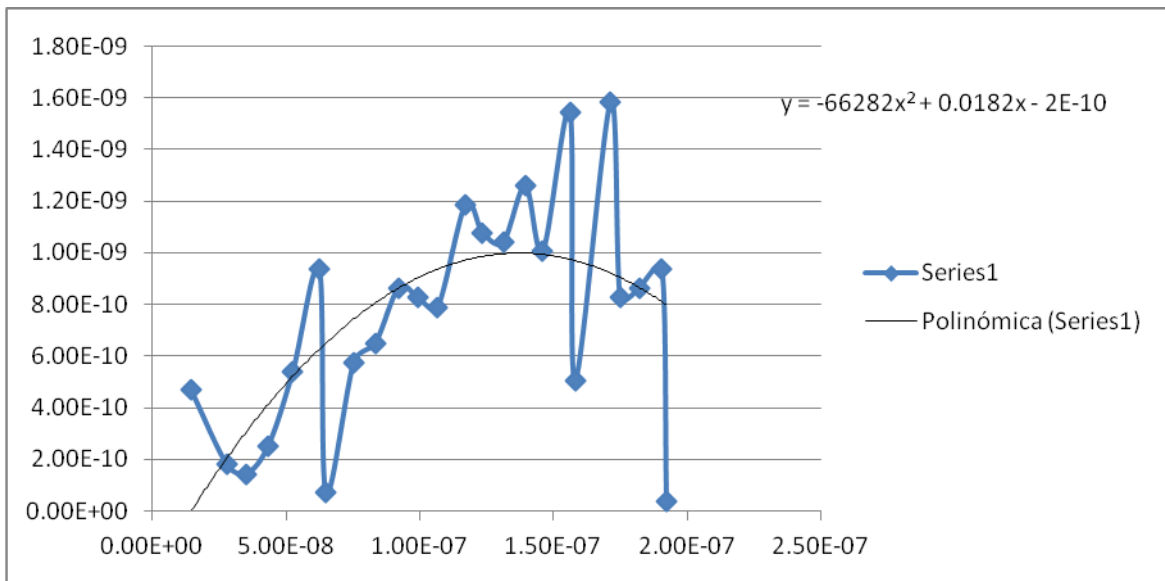
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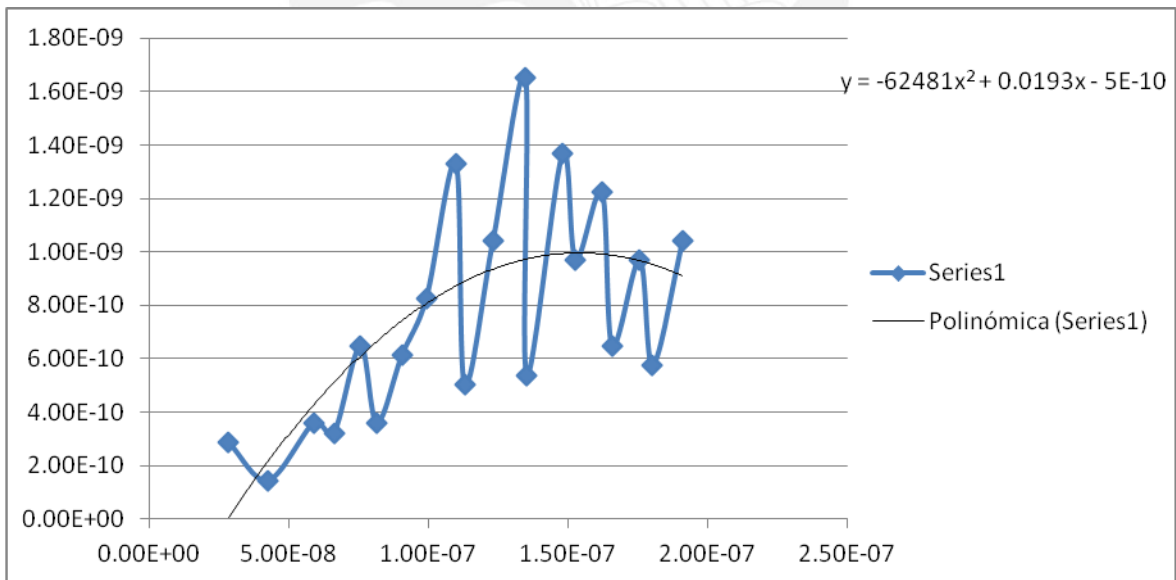
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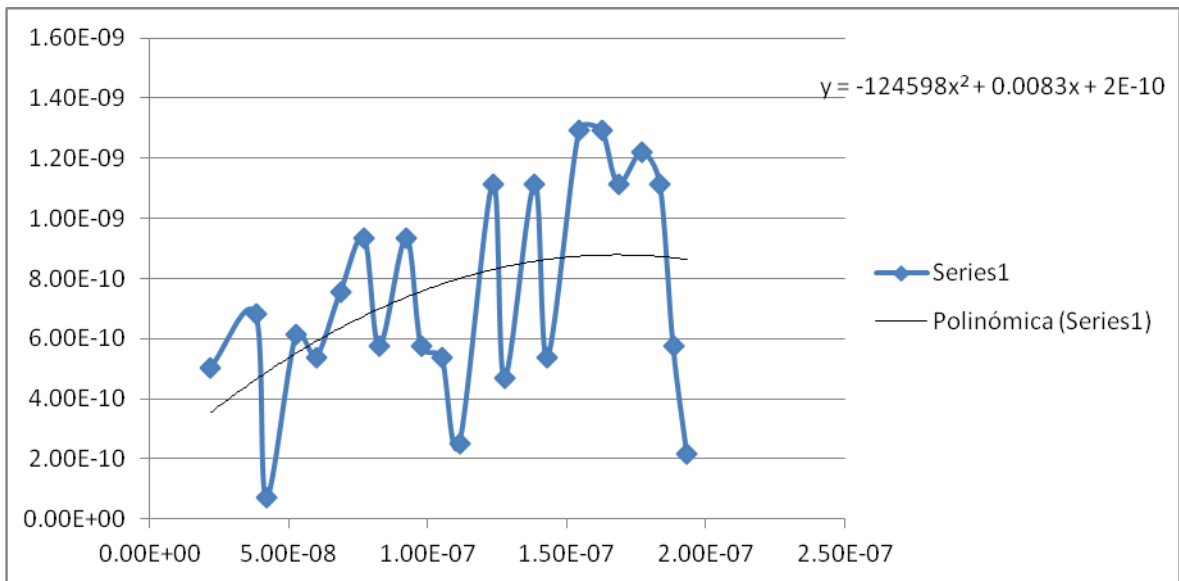
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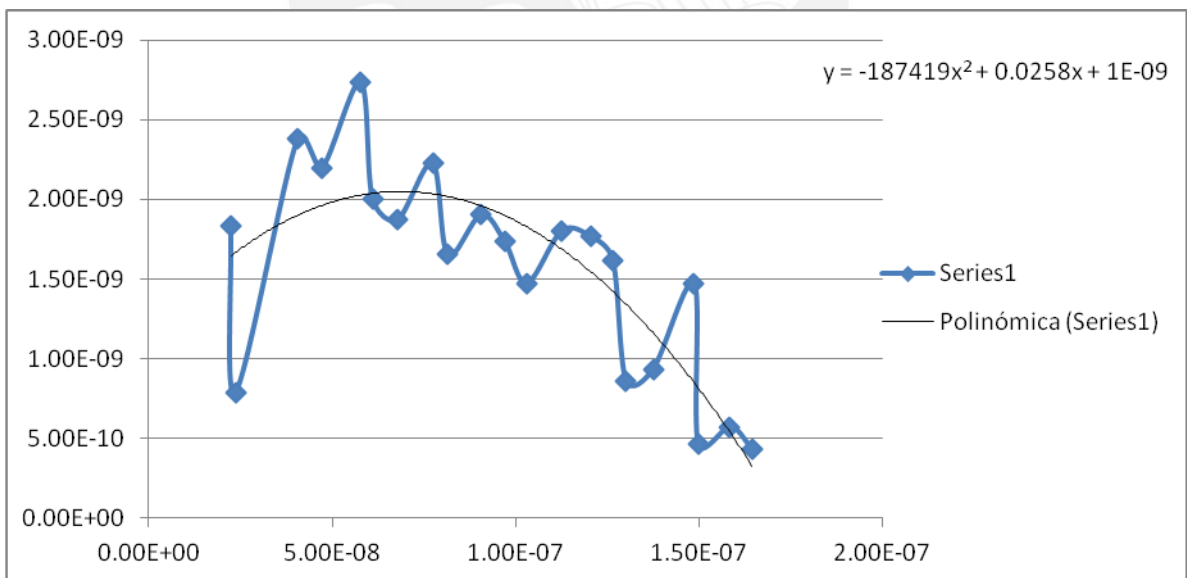
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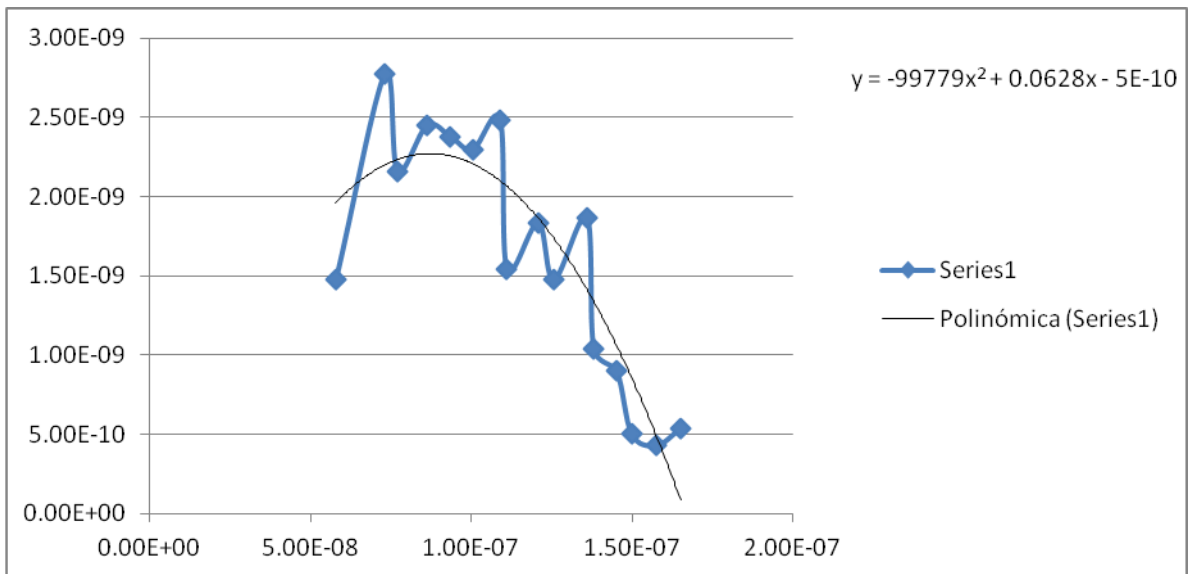
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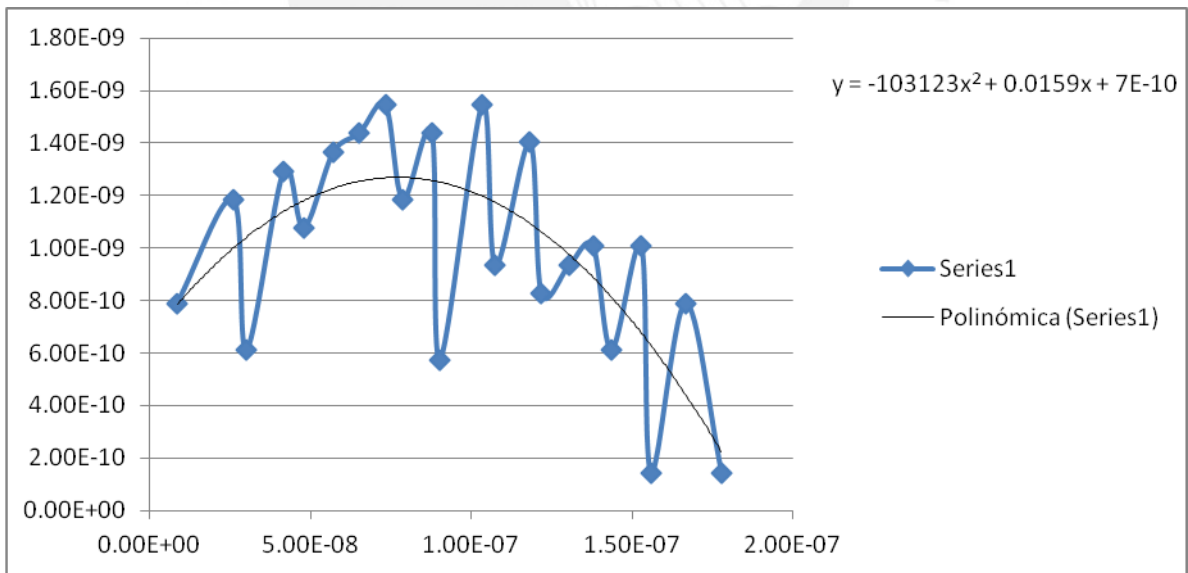
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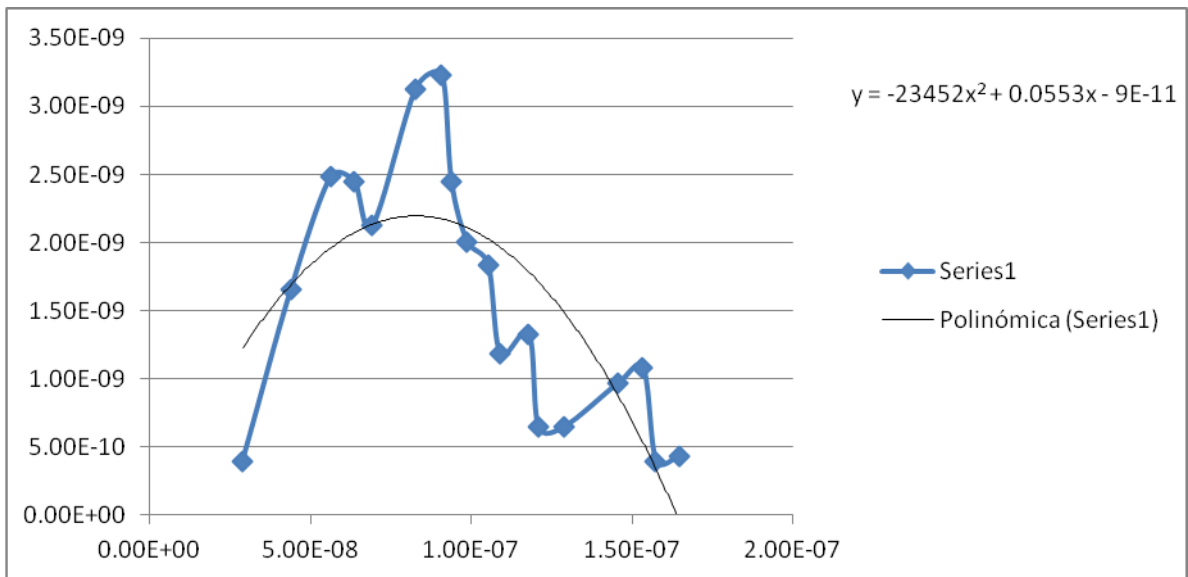


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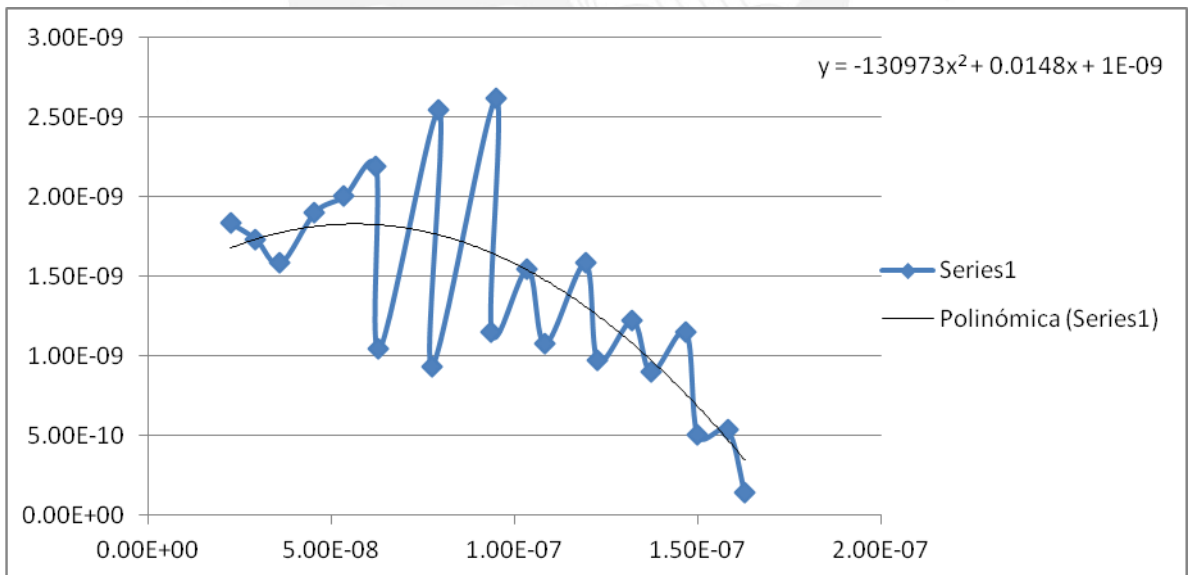




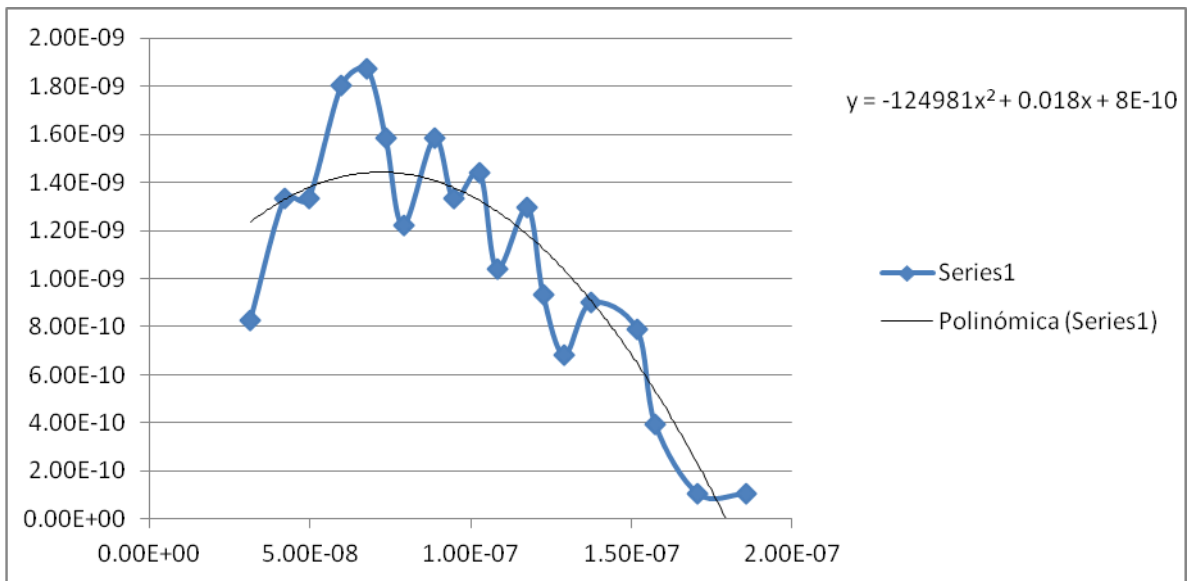
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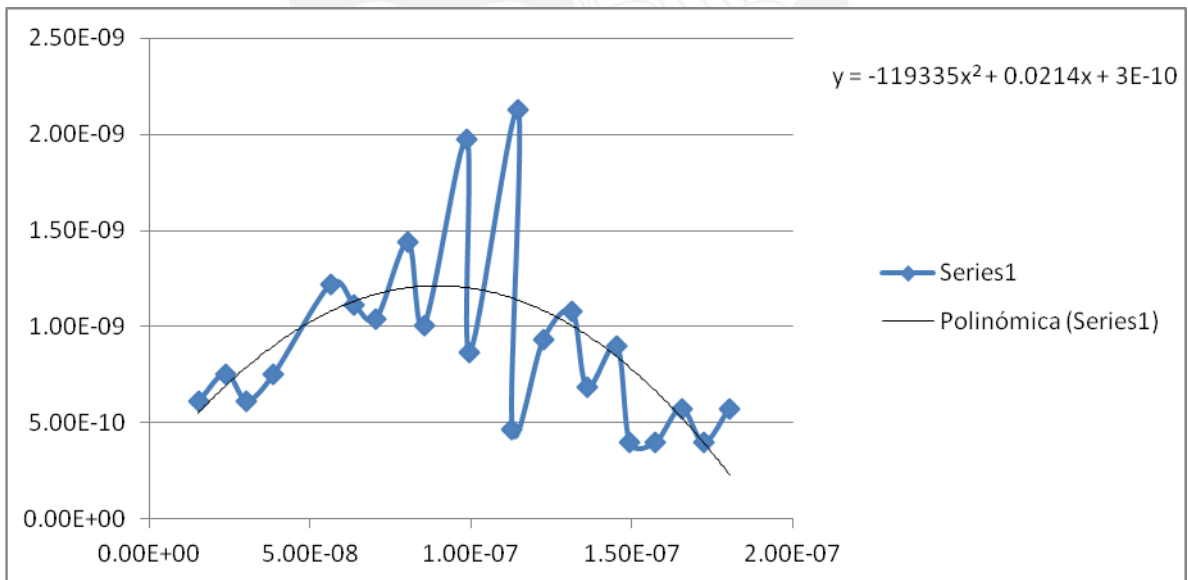
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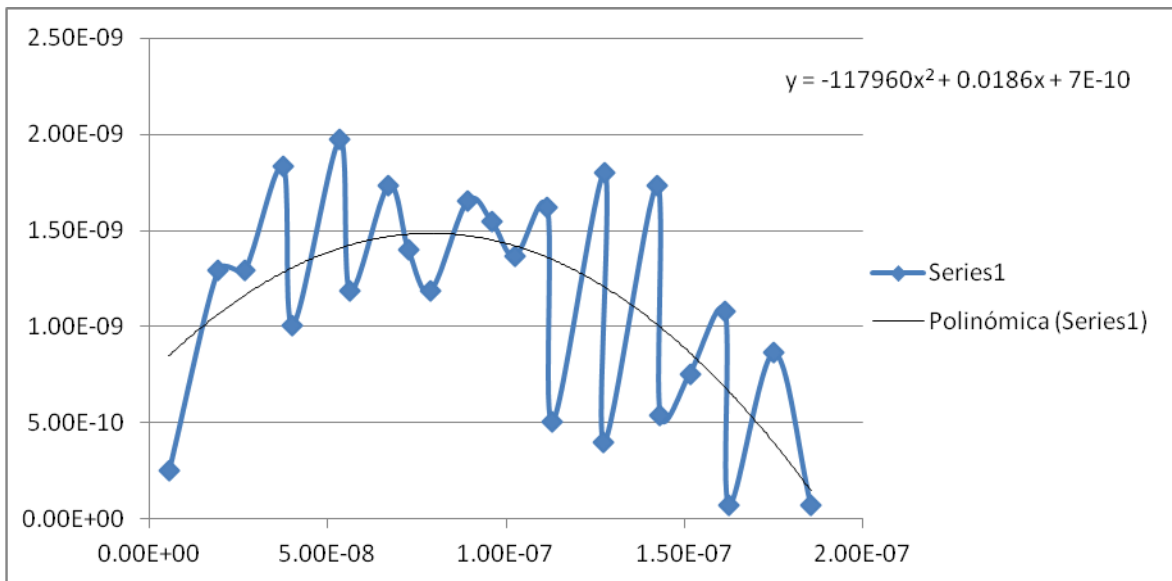
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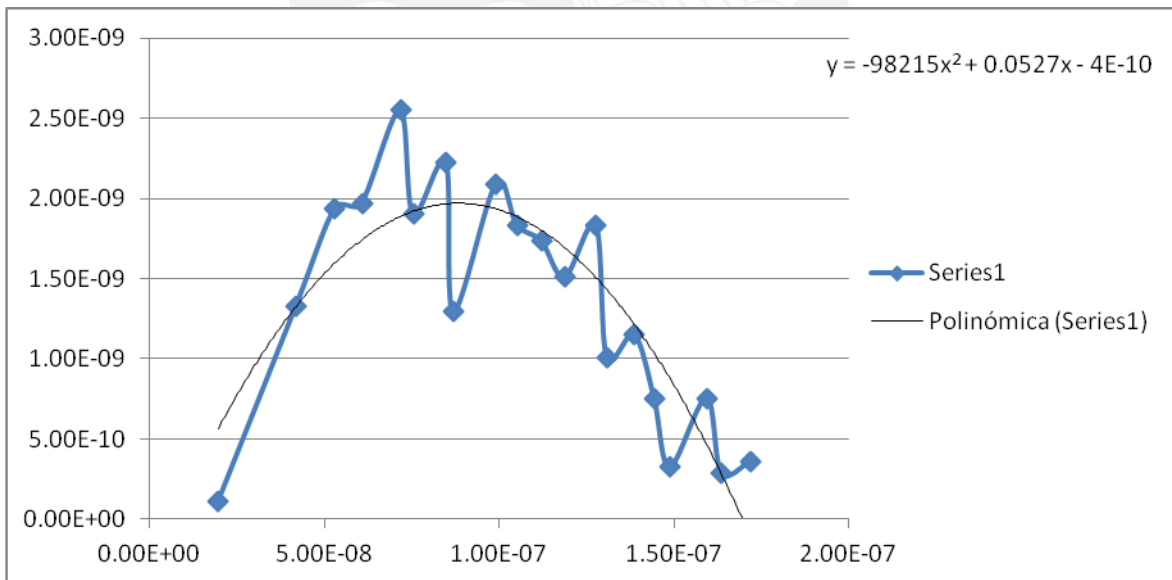
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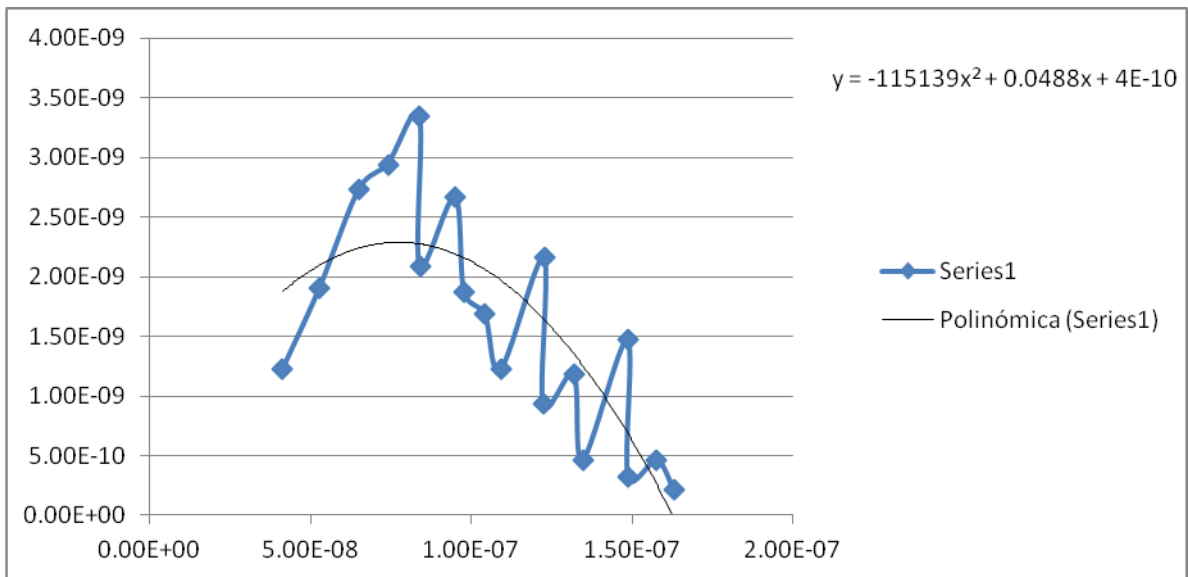
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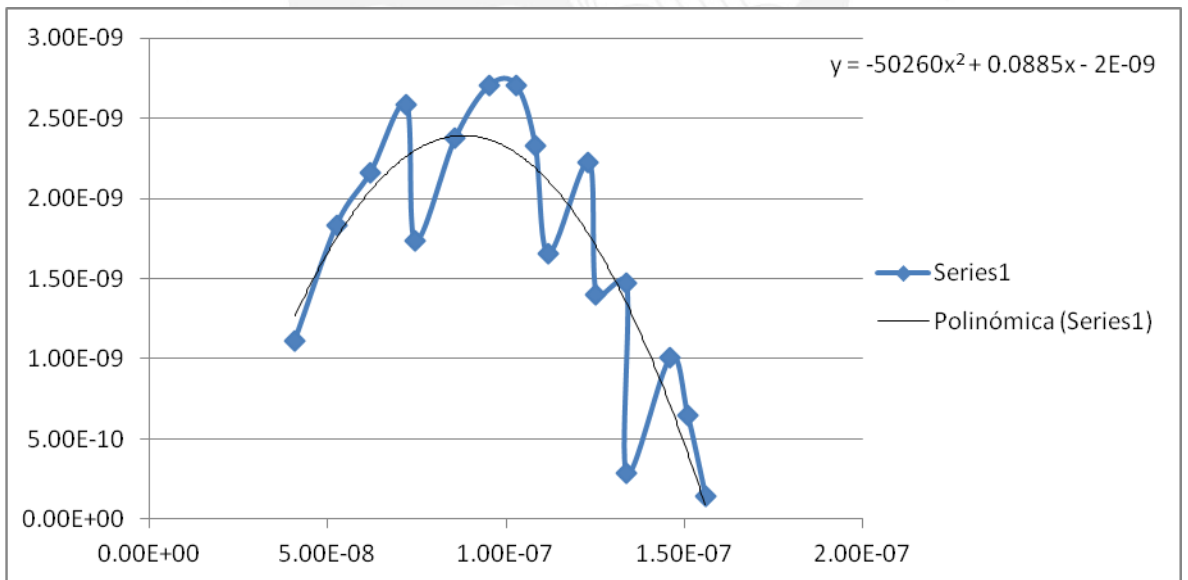
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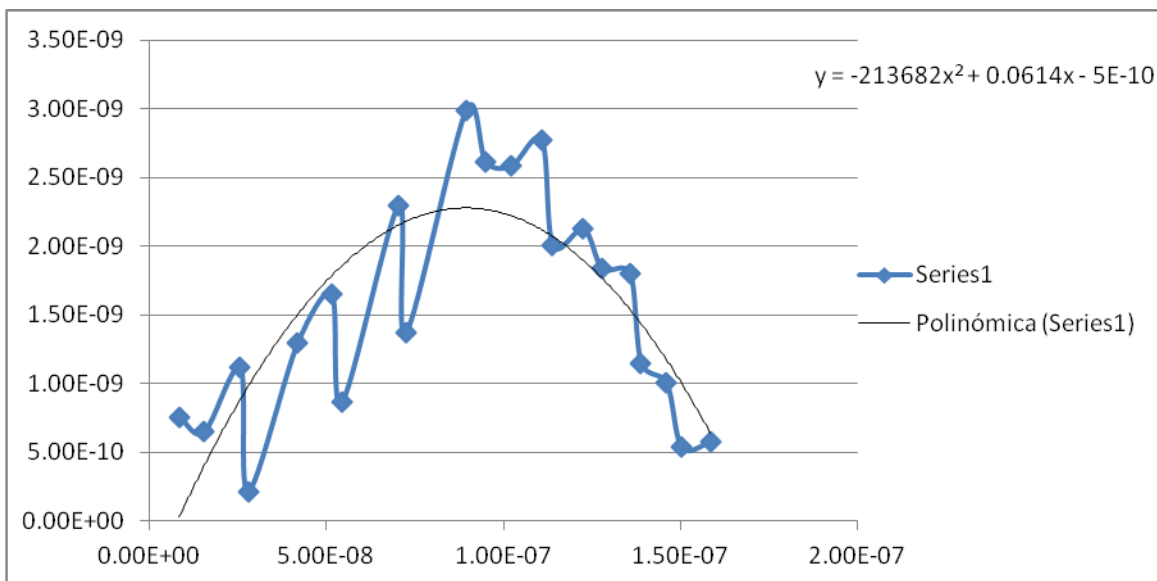
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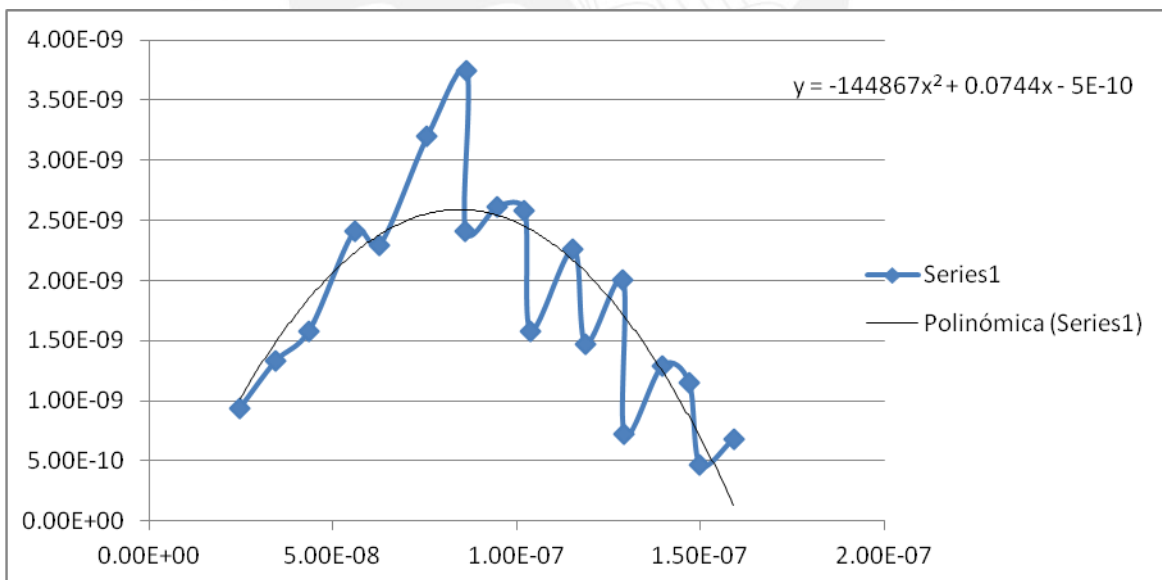
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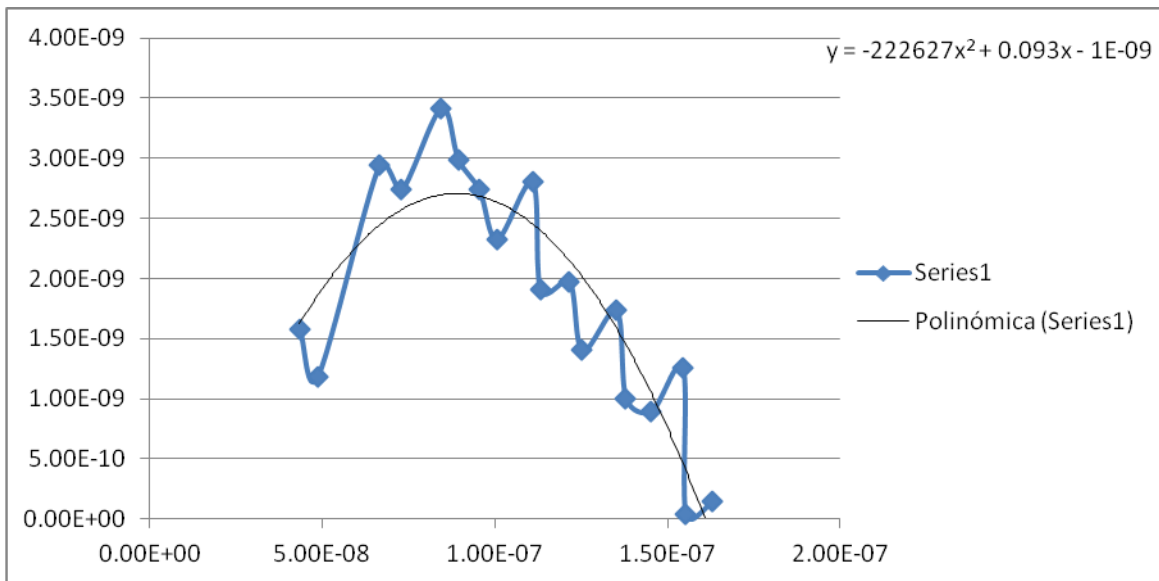
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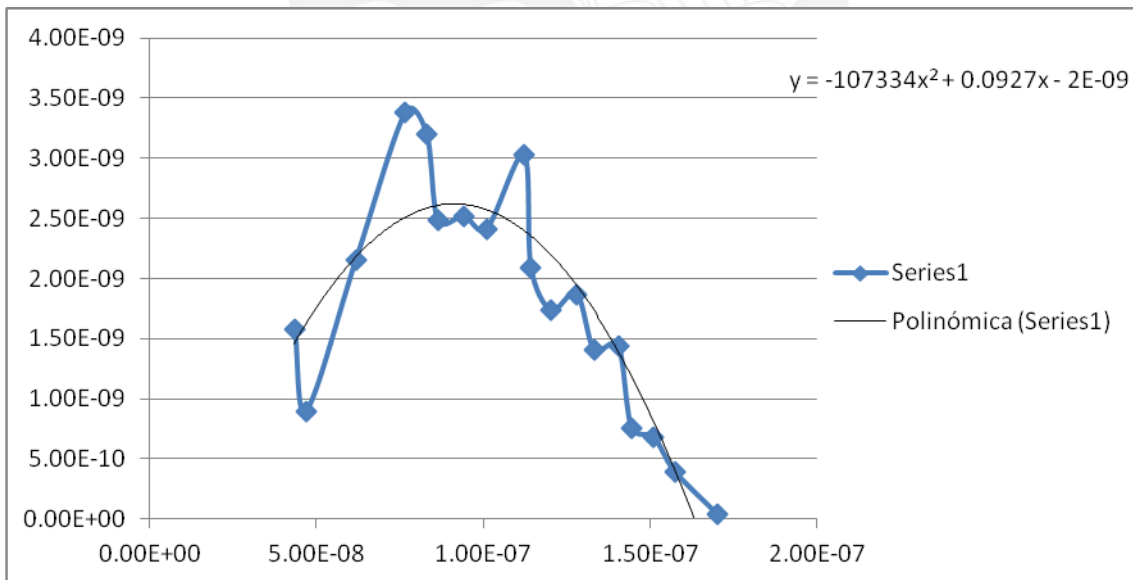
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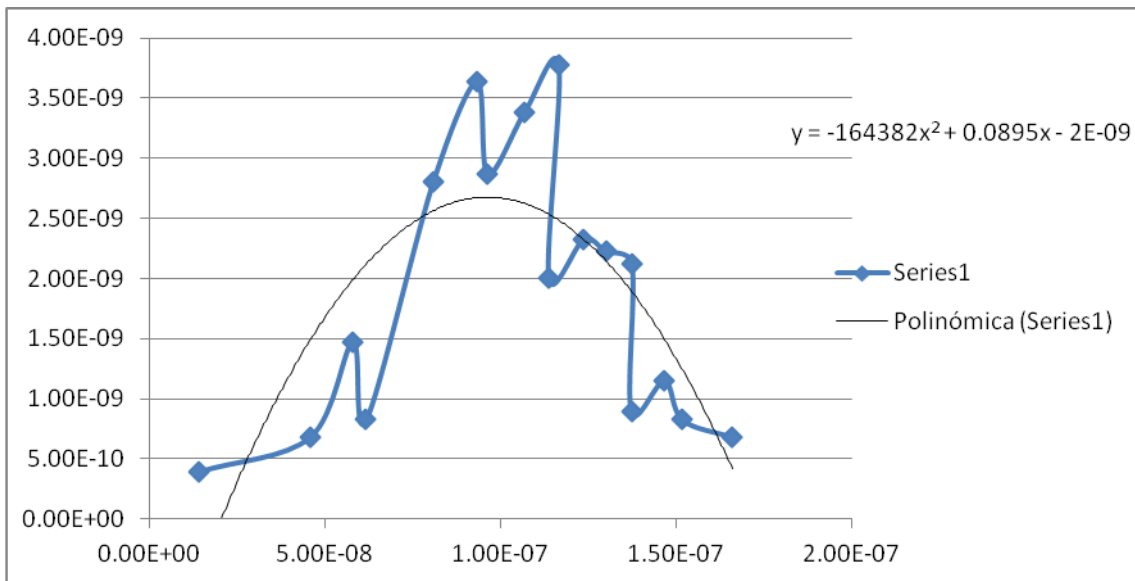
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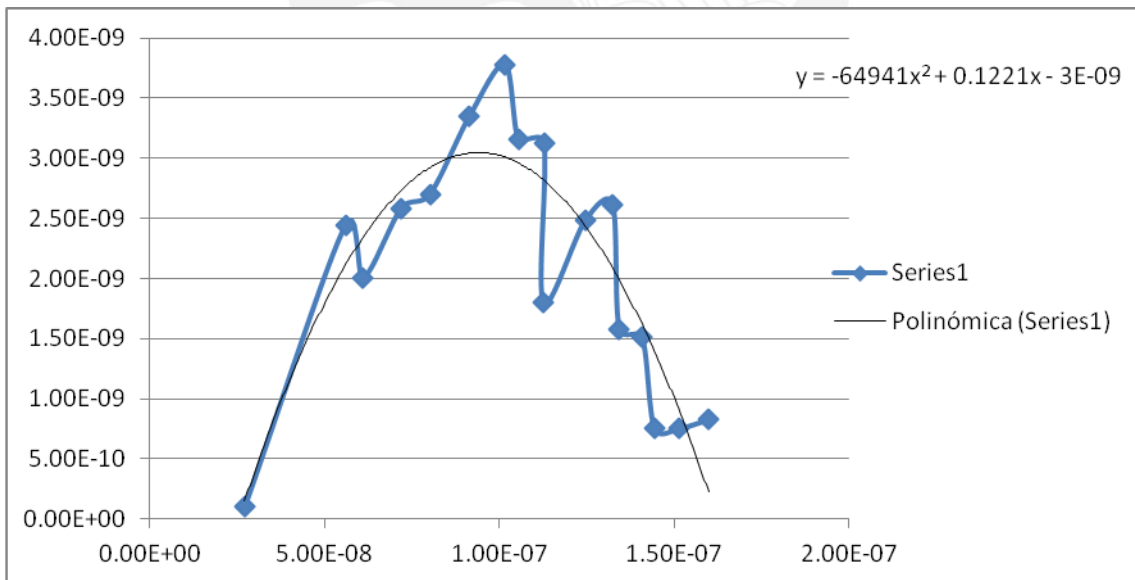
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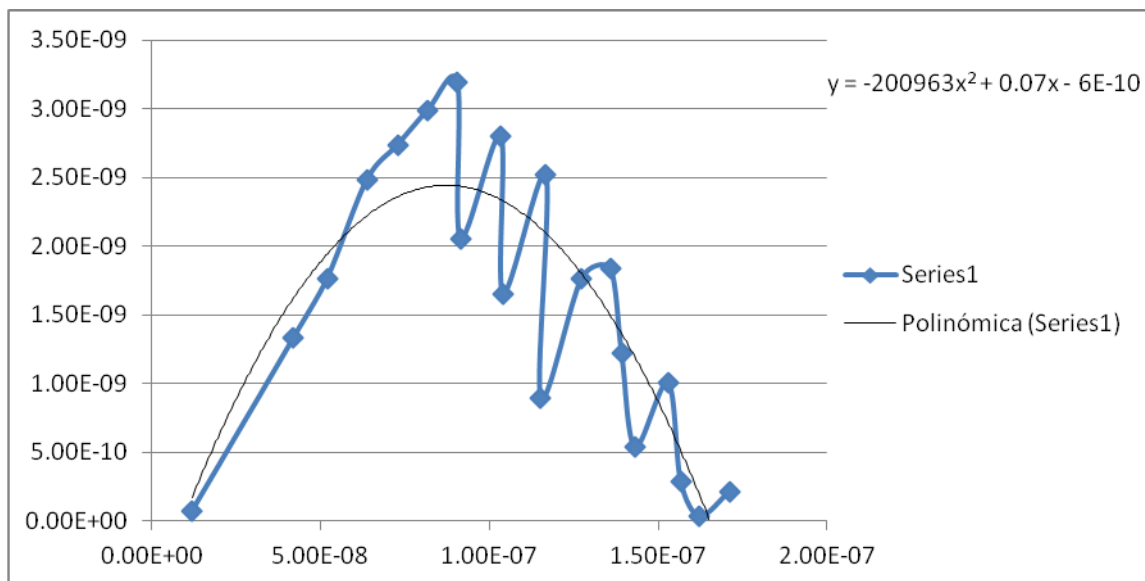
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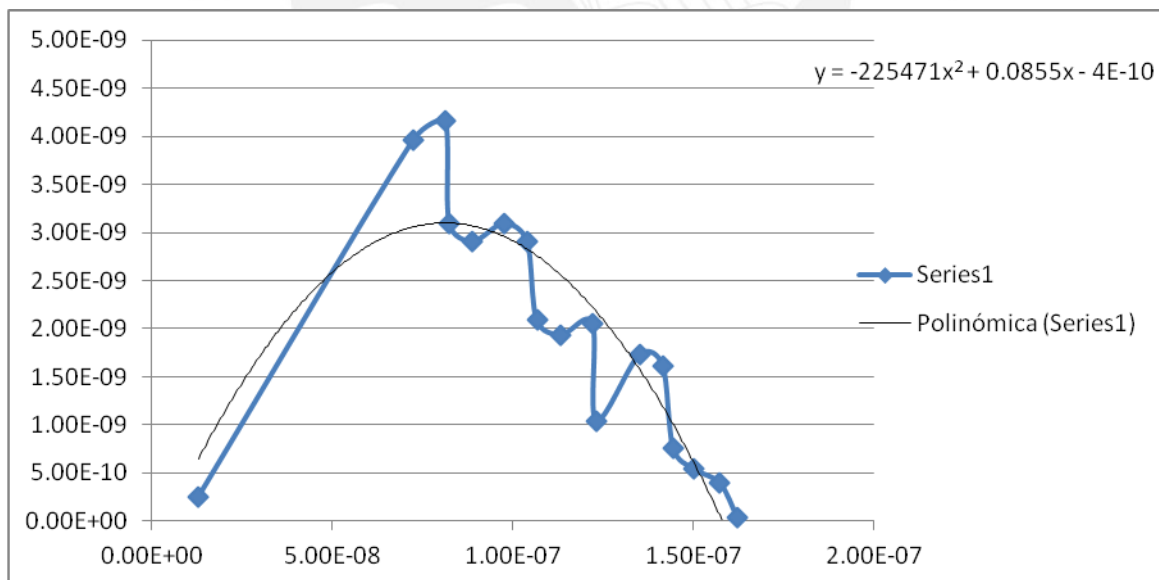
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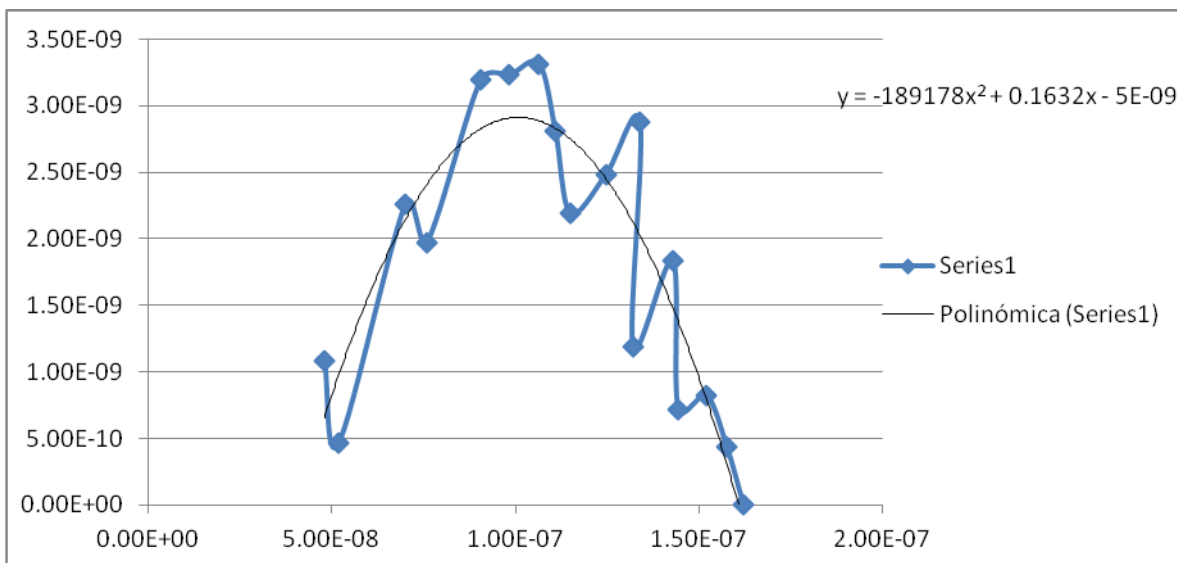


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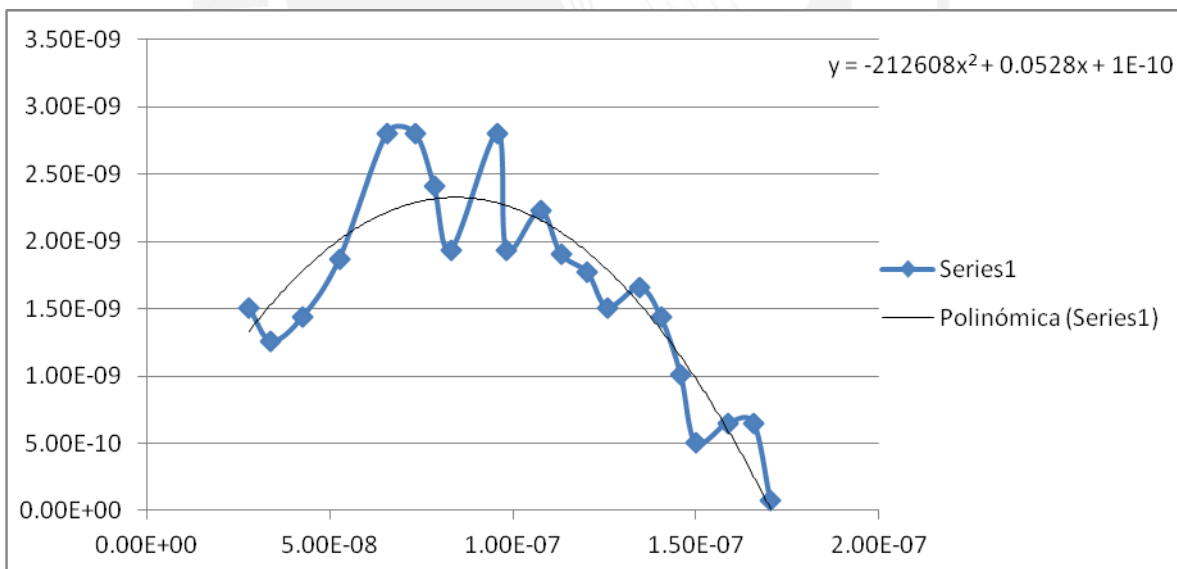




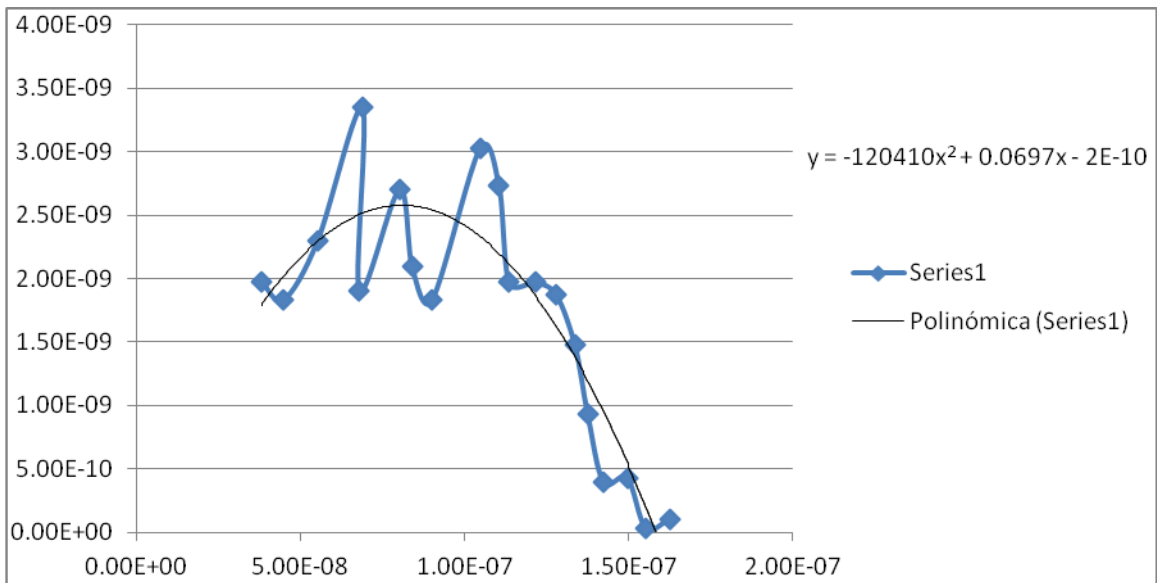
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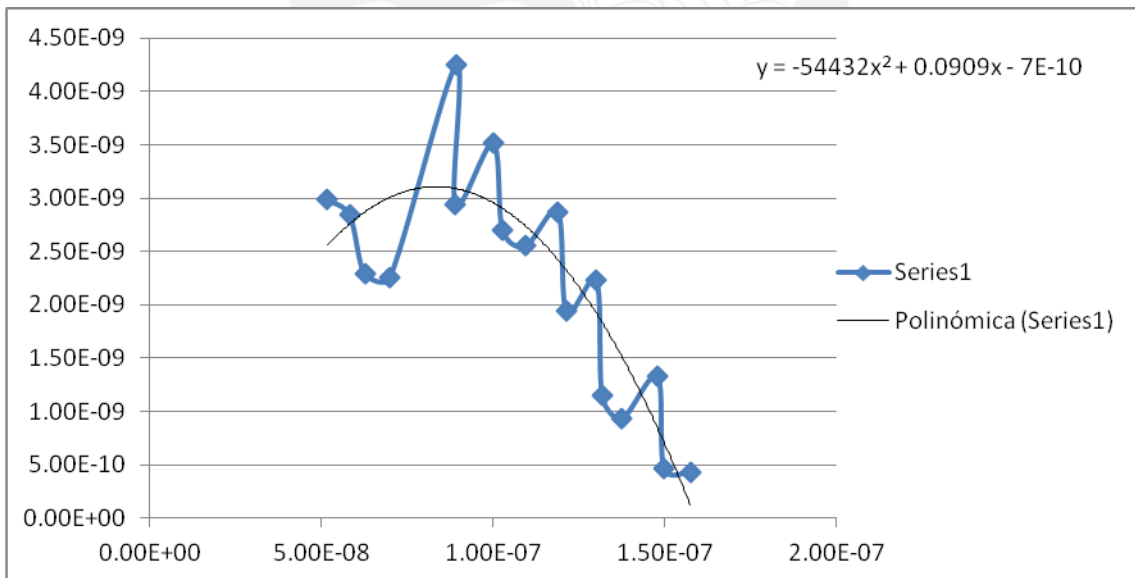
Punto 30:



Punto 31:



Punto 32:



## **Anexo N° 2**

Módulos de Elasticidad, ensayo N°1, muestra E.3.3

<b>ENSAYO N°1</b>			
<b>Punto</b>	<b>"A"</b>	<b>E (Pa)</b>	<b>E (KPa)</b>
1	52735	21127.79	21.1
2	206587	82767.16	82.8
3	174658	69975.10	70.0
4	102014	40870.96	40.9
5	83331	33385.79	33.4
6	79199	31730.34	31.7
7	66282	26555.27	26.6
8	62481	25032.43	25.0
9	124598	49919.03	49.9
10	187419	75087.67	75.1
11	99779	39975.53	40.0
12	103123	41315.27	41.3
13	233452	93530.37	93.5
14	130973	52473.11	52.5
15	124981	50072.47	50.1
16	119335	47810.46	47.8
17	117960	47259.57	47.3
18	98215	39348.92	39.3
19	115139	46129.37	46.1
20	50260	20136.20	20.1
21	213682	85609.70	85.6
22	144867	58039.61	58.0
23	222627	89193.43	89.2
24	107334	43002.37	43.0
25	164382	65858.12	65.9
26	64941	26018.01	26.0
27	200963	80513.95	80.5
28	225471	90332.85	90.3
29	189178	75792.40	75.8
30	212608	85179.41	85.2
31	120410	48241.14	48.2
32	54432	21807.67	21.8

### **Anexo N° 3**

Módulos de Elasticidad, ensayo N°2, muestra E.3.3

<b>ENSAYO N°2</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	32.7
2	78.3
3	83.1
4	110.8
5	114.8
6	38.4
7	41.2
8	29.9
9	67.1
10	64.0
11	85.2
12	74.0
13	116.7
14	49.4
15	74.0
16	37.4
17	73.9
18	59.8
19	101.2
20	62.8
21	80.1
22	61.2
23	67.5
24	66.4

#### **Anexo N° 4**

Módulos de Elasticidad, ensayo N°3, muestra E.3.3

<b>ENSAYO N°3</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	57.8
2	76.2
3	77.5
4	79.6
5	81.6
6	121.4
7	61.0
8	54.6
9	18.7
10	35.1
11	125.8
12	127.4
13	91.5
14	94.1
15	67.7
16	41.6
17	65.1
18	64.7
19	14.9
20	25.0
21	18.3
22	43.4
23	12.8
24	32.4

## **Anexo N° 5**

Módulos de Elasticidad, ensayo N°4, muestra E.3.4

<b>ENSAYO N°4</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	39.1
2	93.1
3	49.9
4	74.8
5	73.2
6	8.2
7	7.7
8	21.0
9	58.6
10	48.7
11	41.2
12	39.1
13	80.2
14	18.7
15	35.0
16	17.8
17	32.8
18	39.8
19	53.8
20	89.2
21	147.4
22	56.8
23	52.5
24	141.4
25	34.2
26	34.4
27	56.3
28	58.9
29	98.0
30	67.5
31	21.3
32	97.9

## **Anexo N° 6**

Módulos de Elasticidad, ensayo N°5, muestra E.3.4

<b>ENSAYO N°5</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	89.3
2	56.9
3	125.3
4	63.5
5	85.1
6	27.4
7	12.3
8	145.3
9	25.9
10	69.3
11	89.0
12	5.0
13	59.0
14	7.0
15	48.0
16	89.5
17	69.6
18	163.2
19	154.9
20	39.0
21	56.1
22	98.5
23	26.9
24	36.6
25	69.9
26	68.6
27	126.0
28	74.2
29	74.9
30	56.0
31	47.5
32	111.9

## **Anexo N° 7**

Módulos de Elasticidad, ensayo N°6, muestra E.3.4

<b>ENSAYO N°6</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	98.2
2	15.3
3	58.6
4	59.3
5	69.0
6	76.3
7	35.6
8	39.4
9	32.8
10	98.3
11	78.4
12	89.5
13	87.6
14	120.3
15	99.3
16	65.4
17	58.9
18	58.6
19	69.1
20	56.6
21	168.7
22	71.2
23	113.9
24	58.1
25	69.7
26	58.3
27	58.9
28	66.5
29	147.9
30	100.1
31	74.3
32	15.9



## **Anexo N° 8**

Módulos de Elasticidad, ensayo N°7, muestra E.3.4

<b>ENSAYO N°7</b>	
<b>Punto</b>	<b>Módulo Elástico (KPa)</b>
1	75.8
2	26.8
3	57.7
4	69.7
5	16.8
6	142.1
7	16.6
8	96.9
9	36.9
10	58.9
11	98.1
12	41.0
13	75.1
14	96.8
15	63.5
16	58.6
17	69.3
18	36.1
19	27.8
20	136.8
21	142.4
22	74.5
23	79.1
24	89.6
25	113.9
26	58.3
27	70.2
28	69.8
29	59.6
30	68.7
31	49.8
32	78.6

