

Part A : つるまきバネの幾何パラメーターの決定

| Tasks | Description | Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|------------------|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| A1 | <p>Part A に使用した パターン記録シートの枚数: _____ それぞれのシートの番号を記せ: P _____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | <p style="text-align: center;">表 A1: シート P _____ から作成</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Obs. No. 測定番号</th> <th style="width: 50px;"></th> <th style="width: 50px;"></th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">1</td><td></td><td></td></tr> <tr><td style="padding: 5px;">2</td><td></td><td></td></tr> <tr><td style="padding: 5px;">3</td><td></td><td></td></tr> <tr><td style="padding: 5px;">4</td><td></td><td></td></tr> <tr><td style="padding: 5px;">5</td><td></td><td></td></tr> <tr><td style="padding: 5px;"> </td><td></td><td></td></tr> <tr><td style="padding: 5px;"> </td><td></td><td></td></tr> <tr><td style="padding: 5px;"> </td><td></td><td></td></tr> <tr><td style="padding: 5px;"> </td><td></td><td></td></tr> <tr><td style="padding: 5px;"> </td><td></td><td></td></tr> </tbody> </table> | Obs. No. 測定番号 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | | | | | | | | | | | | | | | |
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| A3 | <p>a_1 を決定するための Graph A1 の縦軸横軸 : _____ 対 _____</p> <p>graph A1 の傾き =</p> <p>a_1 の計算</p> <p>$a_1 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Table A2: シート P____から作成 | Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|------------------|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| A4 | <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Obs. No. 測定番号</th> <th style="width: 50px;"></th> <th style="width: 50px;"></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> <tr><td style="text-align: center;">7</td><td></td><td></td></tr> <tr><td style="text-align: center;">8</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table> | Obs. No. 測定番号 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | | 7 | | | 8 | | | | | | | | | | | | | | | |
| Obs. No. 測定番号 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| A5 | <p>d_1を決定するための Graph A2 の縦軸横軸： _____ 対 _____</p> <p>graph A2 の傾き =</p> <p>d_1の計算</p> <p>$d_1 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6 | <p>$\alpha_1 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| A7 | d_1, α_1 を用いた P の表式 計算値 $P =$ | |
| A8 | P, α_1 を用いた R の表式 計算値 $R =$ | |
| Total | | |

Part B: 2重らせん構造の幾何パラメーターの決定

| Tasks | Description | Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|------------------|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| B1 | Part B に使用した パターン記録シートの枚数: _____ それぞれのシートの番号を記せ: P_____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B2 | 表 B1: シート P_____ から作成 <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 10%;">Obs. No. 測定番号</th> <th style="width: 40%;"></th> <th style="width: 50%;"></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table> | Obs. No. 測定番号 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| B7 | | <p>d_2を決定するための Graph B3 の縦軸横軸 : _____ 対 _____</p> <p>graph B3 の傾き =</p> <p>d_2の計算</p> <p>$d_2 =$</p> | |
| B8 | | <p>$\alpha_2 =$</p> | |
| Total | | | |