

Pensieve header: A Verification that the Bedlewo and the Kashaev Programs Agree.

```
In[ ]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Talks\\CMS-2112"]
```

```
Out[ ]:= C:\drorbn\AcademicPensieve\Talks\CMS-2112
```

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```
In[ ]:= Once[<< KnotTheory`]
```

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Loading KnotTheory` version of February 2, 2020, 10:53:45.2097.
Read more at <http://katlas.org/wiki/KnotTheory>.

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```
In[ ]:= MatrixSignature[A_] := Total[Sign[Select[Eigenvalues[A], Abs[#] > 10-12 &]]];  
Writhe[K_] := Sum[If[PositiveQ[x], 1, -1], {x, List@@PD@K}];
```

```
In[ ]:= << BedAndKas.m;
```

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```
In[ ]:= Sum[ $\omega = e^{i \text{RandomReal}[\{0, 2\pi\}]}$ ; Bed[K,  $\omega$ ] == Kas[K,  $\omega$ ], {10}, {K, AllKnots[{3, 10}]}]
```

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KnotTheory: Loading precomputed data in PD4Knots`.

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```
Out[ ]:= 2490 True
```