

2000 - 2004

A Cornerstone Freshman Design Experience

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@inproceedings{200444842722 ,
  title = {A cornerstone freshman design experience},
  journal = {ASEE Annual Conference Proceedings},
  author = {Larochelle, Pierre and Engblom, John and Gutierrez, Hector},
  year = {2004},
  pages = {2405 - 2411},
  issn = {01901052},
  address = {Salt Lake City, UT, United states}
}
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Approximate Motion Synthesis Of Open And Closed Chains Via Parametric Constraint

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@article{larochelle:1049,
  author = {Pierre M. Larochelle},
  title = {Approximate Motion Synthesis of Open and Closed Chains via Parametric Constraint Manifold Fitting: Preliminary Results},
  publisher = {ASME},
  year = {2003},
  journal = {ASME Conference Proceedings},
  volume = {2003},
  number = {37009},
  pages = {1049-1057},
  url = {http://link.aip.org/link/abstract/ASMECP/v2003/i37009/p1049/s1},
  doi = {10.1115/DETC2003/DAC-48814}
}
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Manifold Fitting Preliminary Results

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@article{larochelle:1049,
  author = {Pierre M. Larochelle},
  title = {Approximate Motion Synthesis of Open and Closed Chains via Parametric Constraint Manifold Fitting: Preliminary Results},
  publisher = {ASME},
  year = {2003},
  journal = {ASME Conference Proceedings},
  volume = {2003},
  number = {37009},
  pages = {1049-1057},
  url = {http://link.aip.org/link/abstract/ASMECP/v2003/i37009/p1049/s1},
  doi = {10.1115/DETC2003/DAC-48814}
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Approximate Motion Synthesis Via Parametric Constraint Manifold Fitting

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@inproceedings{2004178135624 ,
title = {Approximate motion synthesis of open and closed chains via
parametric constraint manifold fitting: Preliminary results},
journal = {Proceedings of the ASME Design Engineering Technical
Conference},
author = {Larochelle, Pierre M.},
volume = {2 B},
year = {2003},
pages = {1049 - 1057},
address = {Chicago, IL, United states}
}
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Approximating Spatial Locations With Spherical Orientations For Spherical Mechanism

Design

```
@article{tse:457,
author = {David M. Tse and Pierre M. Larochelle},
title = {Approximating Spatial Locations With Spherical Orientations
for Spherical Mechanism Design},
publisher = {ASME},
year = {2000},
journal = {Journal of Mechanical Design},
volume = {122},
number = {4},
pages = {457-463},
url = {http://link.aip.org/link/?JMD/122/457/1},
doi = {10.1115/1.1289139}
}
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Designing Spatial Mechanisms Using Virtual Reality

```
@article{vance:1433,
author = {Judy M. Vance and Pierre Larochelle and Denis Dorozhkin},
title = {VRSPATIAL: Designing Spatial Mechanisms Using Virtual
Reality},
publisher = {ASME},
year = {2002},
journal = {ASME Conference Proceedings},
volume = {2002},
number = {36533},
pages = {1433-1437},
url = {http://link.aip.org/link/abstract/ASMECP/v2002/i36533/p1433/s1},
doi = {10.1115/DETC2002/MECH-34377}
}
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Interactive Visualization Of Line Congruences

```
@article{larochelle:208,  
author = {Pierre M. Larochelle and Judy M. Vance and John N. Kihonge},  
title = {Interactive Visualization of Line Congruences for Spatial  
Mechanism Design},  
publisher = {ASME},  
year = {2002},  
journal = {Journal of Computing and Information Science in  
Engineering},  
volume = {2},  
number = {3},  
pages = {208-215},  
url = {http://link.aip.org/link/?CIS/2/208/1},  
doi = {10.1115/1.1529211}  
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Line Based Collision Detection Of Cylindrical Rigid Bodies

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@article{ketchel:1261,  
author = {John S. Ketchel and Pierre M. Larochelle},  
title = {Line Based Collision Detection of Cylindrical Rigid Bodies},  
publisher = {ASME},  
year = {2004},  
journal = {ASME Conference Proceedings},  
volume = {2004},  
number = {46954},  
pages = {1261-1271},  
url = {http://link.aip.org/link/abstract/ASMECP/v2004/i46954/p1261/s1},  
doi = {10.1115/DETC2004-57473}  
}
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Spasur- Interactive Visualization Of The Coupler Surfaces Of The Spatial 4c Mechanism

```
@article{larochelle:543,  
author = {Pierre M. Larochelle and Agnes Agius},  
title = {SPASUR: Interactive Visualization of the Coupler Surfaces of  
the Spatial 4C Mechanism},  
publisher = {ASME},  
year = {2002},  
journal = {ASME Conference Proceedings},  
volume = {2002},  
number = {36533},  
pages = {543-551},  
url = {http://link.aip.org/link/abstract/ASMECP/v2002/i36533/p543/s1},  
doi = {10.1115/DETC2002/MECH-34261}  
}
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Spatial Mechanism Design In Virtual Reality With Networking jrn1

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@article{kihonge:435,  
author = {John N. Kihonge and Judy M. Vance and Pierre M. Larochelle},  
title = {Spatial Mechanism Design in Virtual Reality With Networking},  
publisher = {ASME},  
year = {2002},  
journal = {Journal of Mechanical Design},  
volume = {124},  
number = {3},  
pages = {435-440},  
url = {http://link.aip.org/link/?JMD/124/435/1},  
doi = {10.1115/1.1481363}  
}
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