

Critique	Critique	Spring-Based MDS: Naive	Faster Spring Model [Chalmers 96]
	 somewhat evangelical pro-graph stance but we could use more such characterizations 	 repeat for all points compute spirits price all other points difference between high dim, low dim distance compute distances between all points O(rr) floration, O(r) signifier 	compare distances only with a few points maintain small local neighborhood set
Faster Spring Model [Chalmers 96]	Faster Spring Model [Chalmers 96]	Faster Spring Model [Chalmers 96]	Parent Finding [Morrison 02, 03]
compare distances only with a few points maintain small loal neighborhood set each time pik some ankoms, easp in if doser	compare distances only with a few points maintain small loal neighborhood set each time pick some randoms, exep in if doser	 compare distances only with a few points each time picksone androux, supp in disource statements small constant: 6 locals, 3 randoms typical O(n) testion, O(n) against 	 lay out a √i subset with [Chalmers 96] for all remaining points for \$\frac{1}{2}\$ remaining point closes in high D place point close to this parent O(r⁶⁺¹) algorithm
Issues	True Dimensionality: Linear	True Dimensionality: Nonlinear	MDS Beyond Points
 which distance metric: Euclidean or other? computation computation better: Q(r) better: Q(r) Dualmers 96 hybrid: Q(n, / n) 	how many dimensions is enough? could be note that 2 or 3 these in error rune e comparement materials from graphics inser PCA: 8 get physically imposable intermediate points	notificer MDS: 10.15 console consoling or source of the sou	galaxies: aggregation formecopes: terrain(andscapes)
- H - (B - 12 - 12 - 2 - 940	[A Data-Driven Refectance Model, SIGGRAPH 2003, W Matuslik, H. Piteler M. Brand and L. McMillan, graphics.los.mit.edu/-wejciech/pube/kig2003_pdf(gr 3 - 3 - 3 - 04.0	(A Data-Driven Reflectance Model, SIGGRAPH 2000, JW Maxuski, H. Pitster M. Brand and L. McMillan, graphics.ics.mit.edu/-wojciech/puba/sig2000,pdf(g	[www.prigovintovicigraphics.htm]
Cluster Stability	(A Date-Orien Reference Medic SCGGRAPH 2020), Withouts, K. I. Pitter M. Band and L. MMIllen, graphica.lis.nit.edu/.wejerchys.de.trg8003.pdfgr 3	A Data Driver References Medi SchWalski, ki Pitater M. Band and L. McMain, graphica.lic.ml.edu/.wojciechipderig8002.pdf;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	New ortgovites signification
Cluster Stability display dis	And event and product of the operation o	Alter Oberheimen weiten Konsteinie Veranken von Bereiten von Bere	Development of the second seco

