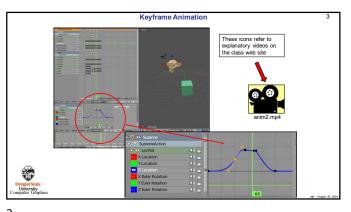
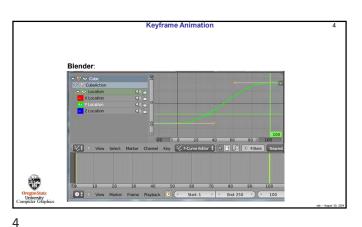


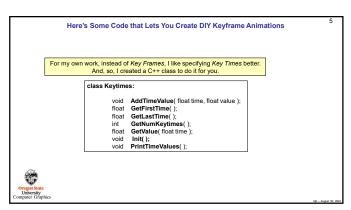
Animation Animation is the process of giving motion to your geometric models. Before animating, there are questions you need to ask first: · Why am I doing this? • Do I want the animation to obey the real laws of physics? Partially? Which elements? Am I willing to "fake" the physics to get the objects to want to move in a way that I tell it? · Do I have specific key positions I want the objects to pass through no matter what? Do I want to simply record the motion of a real person, animal, etc., and then play it back? Oregon State
University
omputer Graphi

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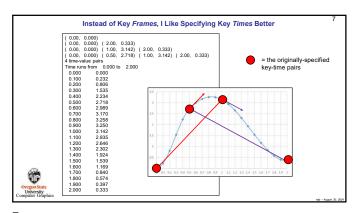


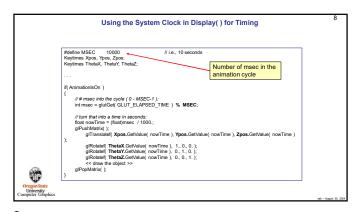
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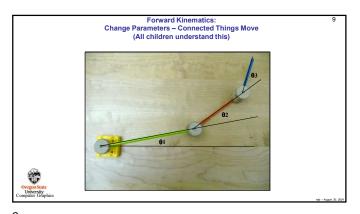


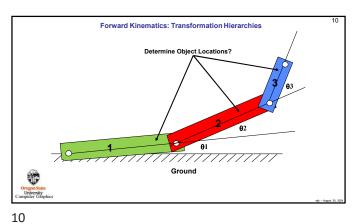
Instead of Key Frames, I Like Specifying Key Times Better Declare one class per parameter you are animating. Here it wants to interpolate and animate the x-location of something. int main(int argc, char *argv[]) Xpos.Init();
Xpos.AddTimeValue(0.0, 0.000);
Xpos.AddTimeValue(2.0, 0.333);
Xpos.AddTimeValue(10, 3.142);
Xpos.AddTimeValue(0.5, 2.718);
Kpos.AddTimeValue(0.5, 2.718);
Kpos.AddTimeValue(0.5, 2.718);
Kpos.PintTimeValue(0.5, 2.718);
Xpos.PintTimeValue(0.5, 2. fprintf(stderr, "Time runs from %8.3f to %8.3 for some values and looks up the interpolate x-location of time values and looks up the interpolate x-location at those values. Normally you would get the time from the system clock. float v = Xpos.GetValue(t); fprintf(stderr, "%8.3f\t%8.3f\n", t, v);

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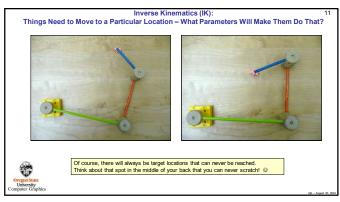


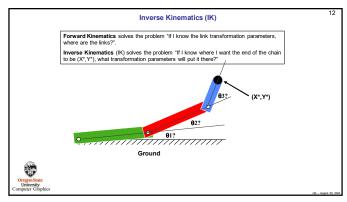




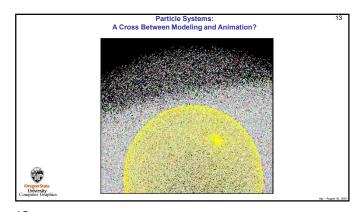


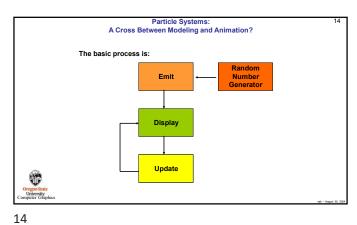
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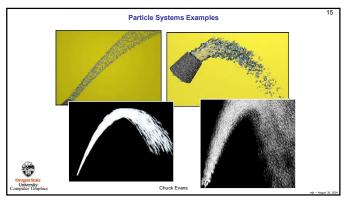


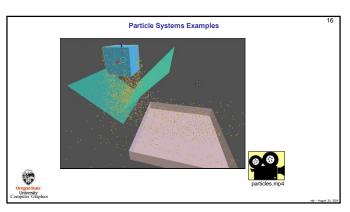


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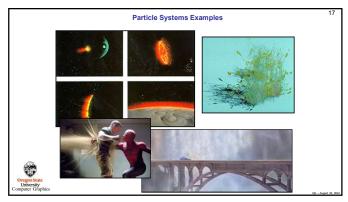


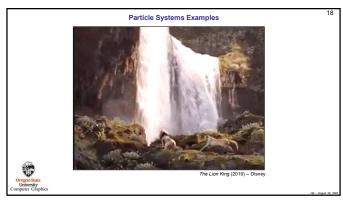




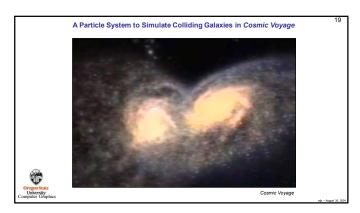


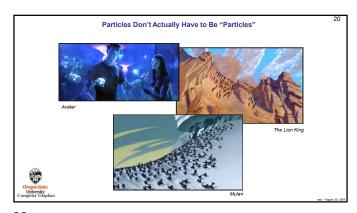
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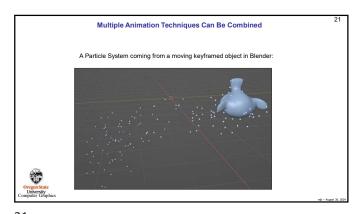


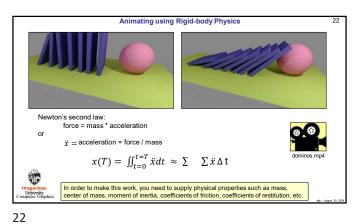


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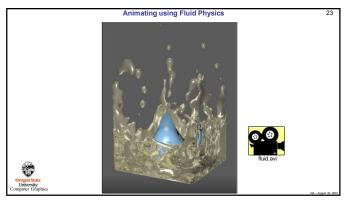


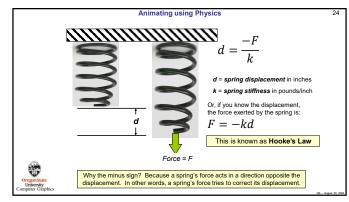


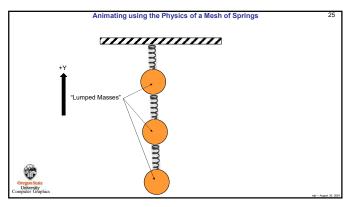


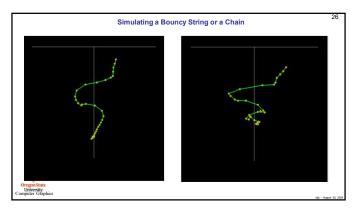


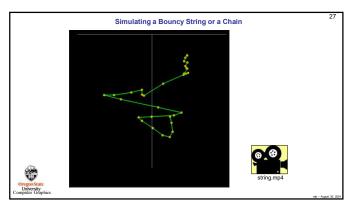
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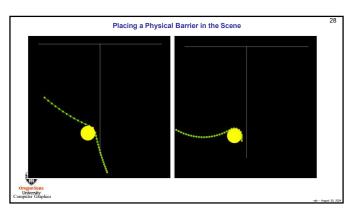




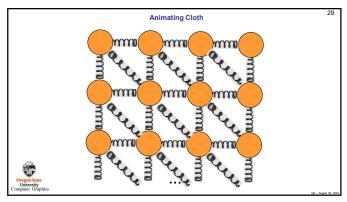


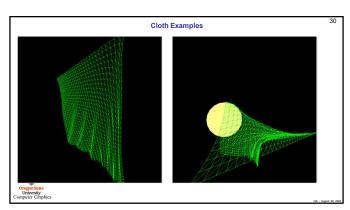




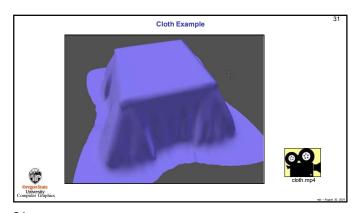


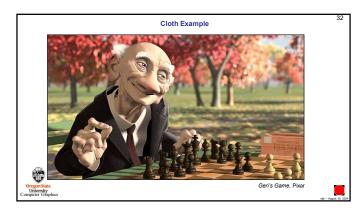
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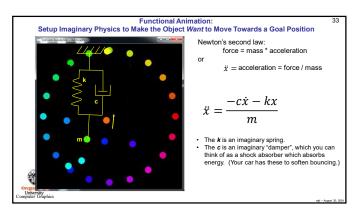


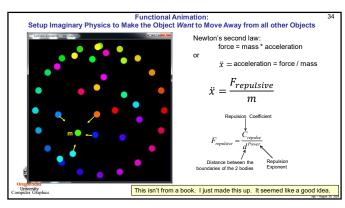


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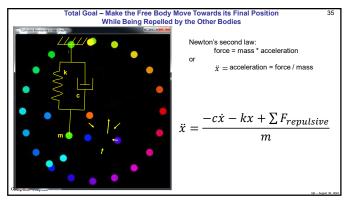


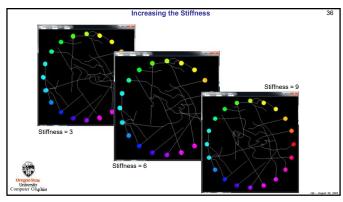




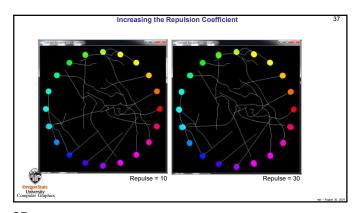


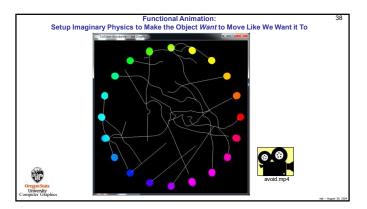
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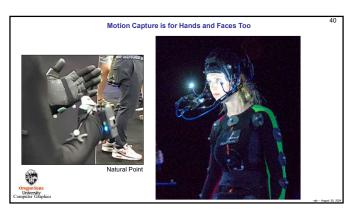


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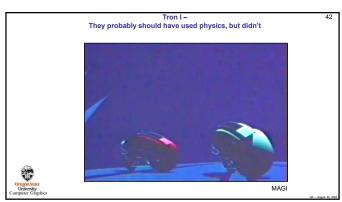






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