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(54) Title of the Invention: **Predicting properties of well bore treatment fluids**
Abstract Title: **Predicting properties of well bore treatment fluids**

(57) Methods and systems for predicting properties of well bore treatment fluids are disclosed. An embodiment includes a method of predicting fluid properties comprising: determining an operational window for a well bore fluid system; collecting data at vertices of the operational window; and developing a model comprising predicted properties for a plurality of data points within the operational window, wherein developing the model uses Barycentric interpolation.

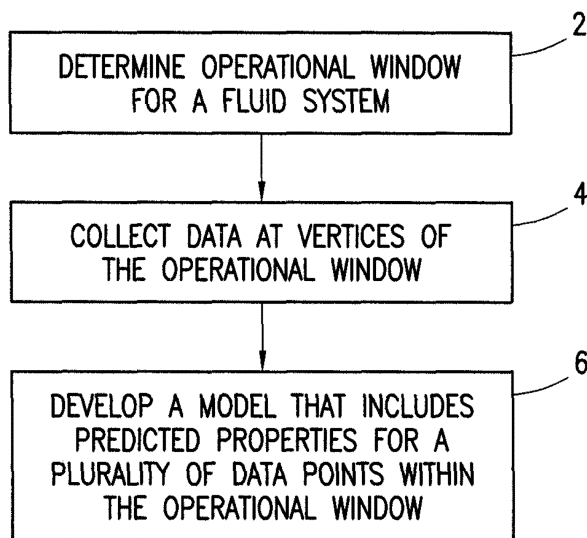


FIG. 1